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FLOOD INSURANCE STUDY

ORIGINAL

CITY OF HOUSTON, TEXAS

HARRIS, FORT BEND AND MONTGOMERY COUNTIES

VOLUME 4 OF 4

SEPTEMBER 27, 1985

Federal Emergency Management Agency

COMMUNITY NUMBER - 480296

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Exhibit 2 - Flood Boundary and Floodway Map Index
Flood Boundary and Floodway Map

Volume 4

Exhibit 3 - Elevation Reference Mark Descriptions

PUBLISHED SEPARATELY:

Flood Insurance Rate Map Index
Flood Insurance Rate Map

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MAP PANEL 5

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
5-1	TBM-20A	59.83	At southwest corner of Hueni Road bridge over Mills Branch Creek, brass cap stamped: 58.71 0514.
5-2	TBM-22A	53.53	On southwest corner of Dogwood Lane bridge over White Oak Creek, 60d nail.
5-3	TBM-6	47.50	From T-intersection of Hamblen Road and Dunnam Place, proceed 3,900 feet northeast along Dunnam Place to 60d nail in power pole No. 3915 on east side of road.
5-4	TBM-4	70.37	At southeast corner of intersection of Hamblen Road and Dogwood Lane, railroad spike in power pole No. T-562.
5-5	DUNNAM	73.27	At southwest corner of intersection of Dunnam Place and Hamblen Road, brass cap.
5-6	76-37-11	67.08	Railroad spike at base of 6 foot black oak tree on north side of Hamblen Road, approximately 6,050 feet southeast along Hamblen Road from its intersection with Dunnan Place, tree has two COE and guard stake nailed eye high.
5-7	76-38-10	70.30	At southwest corner of intersection of Rod-Gun Road and Huffman-New Caney Road, railroad spike in base of power pole No. C-44-PISP.
5-8	76-38-9	71.44	2,900 feet south from intersection of Rod-Gun Road and Huffman-New Caney Road, railroad spike in power pole marked with two COE caps.

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MAP PANEL 5 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
5-9	76-38-7	52.95	Chiseled X on north corner of concrete headwall at southeast corner of intersection of Wolf Road and Echo Lane.
5-10	76-38-6	53.70	Chiseled square on northwest corner of Wolf Road bridge over Luce Bayou below brass plaque.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 10

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
10-1	P-666	101.41	From post office at Westfield, proceed 1.4 miles east on FM 1960, 50.7 feet east of southeast corner of feed storehouse, 55 feet south of centerline of FM 1960, 8.8 feet southwest of witness post, 8.2 feet southwest of power pole, 6.6 feet southwest of fence corner, 1 foot northwest of fence, disk set in top of post.
10-2	76-36-5	82.38	Harris County Flood Control monument on top of curb on downstream side of bridge at FM 1960 and Turkey Creek.
10-3	N-1217	94.72	From intersection of U. S. Route 59 and FM 1960, proceed 3.85 miles west on FM 1960, in north lawn of Lakeview Park Baptist Church, 51 feet south of centerline of FM 1960, 138 feet north of northeast corner of Lakeview Park Baptist Church, disk one foot north of metal witness post on top of copper coated rod.
10-4	76-36-25	85.76	Railroad spike in power pole with COE sign, east along transmission line, approximately 12,000 feet east from Tattor Cemetery Road.
10-5	77-27-64	96.07	At southeast corner of intersection of Aldine Westfield Road and Farrell Road, railroad spike projecting 2 inches from power pole.
10-6	77-27-65	97.41	From intersection with Farrell Road, proceed south approximately 0.6 mile on Aldine Westfield Road; railroad spike projecting 2 inches from power pole on east side of Aldine Westfield Road.

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MAP PANEL 10 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
10-7	77-27-66	95.08	From intersection with Farrell Road, proceed south approximately 1.0 mile on Aldine Westfield Road; chiseled X on concrete headwall on east side of Aldine Westfield Road.
10-8	77-27-67	91.39	At intersection of Wel-Don Drive and Aldine Westfield Road, chiseled square in concrete base to metal light/sign pole on east end of median on Wel-Don Drive.
10-9	77-27-63	89.75	From intersection with Jetero Boulevard, proceed north approximately 0.9 mile on Lee Road; railroad spike projecting 3 inches from power pole on east side of Lee Road.
10-10	77-27-69	85.26	From intersection with Lee Road, proceed west approximately 140 feet on Jetero Boulevard to bridge; bronze disk on southeast end of bridge on north side of Jetero Boulevard.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 15

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
15-1	76-36-23	78.69	Railroad spike in pine tree with sign approximately 7,000 feet northwest from Humble-Westfield Road along Sun Pipeline Company right-of-way.
15-2	76-36-24	91.49	Railroad spike in power pole east along transmission line approximately 14,500 feet from Tettar Road.
15-3	76-36-22	79.43	Nail in power pole #HAP 5PC, approximately 5,500 feet northwest from Humble-Westfield Road along Sun Pipeline Company right-of-way.
15-4	X-662	89.20	From FM 1960 and U. S. Route 59 intersection, proceed 0.4 mile west on FM 1960, then approximately 300 feet along reverse fork of paved road on left, set in west end of north headwall of box culvert, 1 foot east of west end of headwall, 15 feet north of centerline of paved road, a disk set in headwall of culvert.
15-5	77-27-72	74.97	From intersection with Lee Road, proceed east approximately 1.8 miles on Jetero Boulevard; chiseled square in concrete headwall on north side of Jetero Boulevard.
15-6	76-36-46	70.79	Texas Highway Department monument set on top of concrete wing wall on northeast corner of northbound bridge at U.S. Route 59 and West Fork San Jacinto River.
15-7	76-36-45	70.12	Texas Highway Department monument set on top of concrete wing wall on southwest corner of northbound bridge at U.S. Route 59 and West Fork San Jacinto River.

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MAP PANEL 15 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
15-8	DD-24	77.57	From intersection of Buttercup and Walnut Lanes, proceed 200 feet east to power pole 60 feet south of Walnut Lane; railroad spike in power pole.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 20

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
20-1	76-37-5	49.22	Chiseled square on top concrete curb drop inlet on east side of Atascocita Shores inlet at swimming pool.
20-2	76-37-4	60.29	Filed X on northeast bolt of fire hydrant at southeast corner of Atascocita Shores and Amber Cove.
20-3	76-37-3	56.61	Chiseled square on top northwest corner of concrete foundation of concession building at marina at Lake Houston.
20-4	76-37-2	68.06	Chiseled square on southwest corner of concrete big "A" Atascocita Shores sign base.
20-5	76-37-1	62.80	Chiseled X painted blue at southwest corner of bridge about 2.9 miles west along FM 1960 from intersection of FM 1960 and FM 2100.
20-6	Q-662	72.11	Proceed 0.4 mile east along Main Street from railroad crossing in Humble, go left 0.3 mile to highway, turn right and go east on Humble-Huffman Road, 4.3 miles to mark on right, a bronze disk in east end of south headwall of concrete culvert and level with centerline.
20-7	P-662	71.63	Proceed 0.4 mile east along Main Street from railroad crossing in Humble, turn left and go north 0.3 mile to Humble-Huffman Road, travel 5.1 miles to bronze disk in west end of north headwall of concrete culvert and level with center of highway.

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MAP PANEL 20 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
20-8	M-662	57.76	From intersection of Atascocita Road and FM 1960, travel 0.8 mile east along Old Humble Road, 18 feet south of centerline of road; bronze disk in top of east end of south headwall of concrete culvert.
20-9	J-662	69.11	From its intersection with Atascocita Road, 3.55 miles southwest along Missouri Pacific Railroad, bronze disk in top of east corner of concrete base supporting signal, 39 feet southeast of fence line, level with track.
20-10	R-1020	58.98	From intersection with Atascocita Road, 2.15 miles southwest along Missouri Pacific Railroad, to bronze disk set in top of northwest end of southwest concrete abutment of railroad bridge over Lake Houston, 6.5 feet northwest of northwest rail, 4 feet southeast of northwest end of abutment.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 25

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
25-1	C-668	93.72	At intersection of US Route 75 and Greens Road, 151.5 feet east of centerline of Route esplanade, at south side of Greens Road; bronze disk two feet north of northeast corner of Sinclair bulk station.
25-2	77-26-26	98.88	0.5 mile northwest along Kuykendahl Road from intersection of Interstate Route 45 and Kuykendahl, 247 feet southeast along Kuykendahl from De Montrond Road, chiseled X in northeast concrete headwall.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 30

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
30-1	U-458	81.56	At Missouri Pacific Railroad and East Hardy Street, bronze disk set in top of northeast end of northwest concrete bridge abutment under East Hardy Street, 13.8 feet northeast of East Hardy Street centerline, 1.8 feet southwest of northeast end of northwest concrete abutment level with road.
30-2	F-1203	79.74	Near Missouri Pacific Railroad under North Belt Drive overpass, 99 feet east of southeast rail, in center of two center columns of second row of six columns located west of tracks, one foot east of metal witness post, five feet below rail level, bronze disk protected by 6 inch metal pipe.
30-3	77-27-68	89.04	From intersection with Rankin Road, north approximately 0.5 mile on Aldine Westfield Road, railroad spike projecting 3 inches from power pole on west side of Aldine Westfield Road.
30-4	77-27-58	84.60	At northeast corner of intersection of Rankin Road and Aldine Westfield Road, bronze Harris County Flood Control Disk on north end of concrete headwall.
30-5	77-27-59	83.66	At northeast corner of T-intersection of Aldine Westfield Road and Simmons, railroad spike projecting 3 inches from power pole.
30-6	77-27-60	81.20	At northeast corner of intersection of Aldine Westfield Road and Greens Road, railroad spike projecting 2 inches from power pole.

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MAP PANEL 30 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
30-7	77-27-4	81.43	At southeast corner of T-intersection of Greens Road and Morales Road, 60d nail projecting 2.25 inches from power pole.
30-8	77-27-5	74.41	From intersection with Greens Road, south approximately 0.35 mile on Morales Road, 60d nail projecting 2 inches from power pole on west side of Morales Road.
30-9	77-27-57	82.25	From intersection with Aldine Westfield Road, east approximately 0.5 mile on Rankin Road, chiseled square on concrete culvert on north side of Rankin Road.
30-10	77-27-56	87.73	From intersection with Aldine Westfield Road, east approximately 1.5 miles on Rankin Road, chiseled X in concrete culvert on northeast side of Rankin Road.
30-11	77-27-55	81.99	From intersection with Aldine Westfield Road, east approximately 2.1 miles on Rankin Road, chiseled square on east end of headwall on south side of Rankin Road.
30-12	77-27-53	86.20	From intersection with Rankin Road, north approximately 0.4 mile on John F. Kennedy Boulevard, bronze Harris County Flood Control disk in center of bridge on east side of John F. Kennedy Boulevard.
30-13	77-27-54	87.22	From intersection with John F. Kennedy Boulevard, west approximately 175 feet on Rankin Road, chiseled X on concrete footing for power pole on north side of Rankin Road.

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MAP PANEL 30 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
30-14	77-27-48	78.27	At northeast corner of T-intersection of Townson Road and Lee Road, railroad spike projecting 2 inches from power pole.
30-15	77-27-47	77.23	At southeast corner of intersection of Greens Road and Lee Road, railroad spike projecting 3 inches from power pole.
30-16	77-27-20	73.08	At southeast corner of intersection of Aldine Bender Road and Lee Road, railroad spike projecting 2.5 inches from power pole.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 35

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
35-1	77-27-81	70.77	At southwest corner of intersection of Berry Jungle Road and Old Humble Road, railroad spike projecting 3 inches from power pole.
35-2	77-27-80	69.38	From intersection with Atascocita Road, southwest approximately 0.5 mile on Old Humble Road, chiseled X in concrete headwall on east side of Old Humble Road.
35-3	77-27-79	65.68	At northeast corner of Y-intersection of Old Humble Road and Atascocita Road, railroad spike projecting 1 inch from power pole.
35-4	77-28-14A	63.36	At northeast corner of intersection of Wilson Road and Atascocita Road, chiseled X on concrete culvert.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 40

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
40-1	M-1020	65.23	From crossing of FM 2100, 4.55 miles southwest along Missouri Pacific Railroad, 32 feet east of telephone pole, 3 feet southeast of metal witness post, bronze disk in top of concrete post which projects 5 inches above level of ground.
40-2	T-1020	62.34	From intersection of Missouri Pacific Railroad and South Lake Houston Parkway, 6.1 miles northeast on tracks to bronze disk 3 telegraph poles northeast of milepost 390, 21.5 feet southwest of telegraph pole, 3 feet southeast of fence, set in top of concrete tile.
40-3	78-29-16	56.96	At intersection of Diamondhead Boulevard and San Jacinto River Authority Canal, chiseled X in concrete headwall of canal bridge, 20.5 feet southeast of centerline of Diamondhead Boulevard and 19 feet northeast of southwest end of canal bridge.
40-4	78-29-15	52.47	From intersection of Diamondhead Boulevard and FM 2100, 2.5 miles west on Diamondhead Boulevard to railroad spike in 18 inch tree, 24 feet northeast of centerline of Diamondhead Boulevard and 75.5 feet southeast of sign for "Newport Swim & Tennis Club."

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 45

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
45-1	SR-13A	109.15	From intersection of US Route 290 and Addicks-Satsuma Road, proceed 5.75 miles north to Addicks-Satsuma Road over Langham Creek, northwest along bank about 500 feet to old concrete dam or flood gate, turn left, proceed 200 feet south; bronze disk 30 feet northeast of 12-inch twin white oak tree, 39 feet east of 18-inch pine tree, and about in middle of wooded area.
45-2	BL-476A	111.87	Bronze disk on centerline of Tanner Road at intersection with Addicks-Fairbanks Road.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 50

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
50-1	78-16-10	100.32	At southeast corner of intersection of Okanella and Gessner Drive, railroad spike projecting 3.5 inches from power pole.
50-2	78-16-1	97.23	At northwest corner of intersection of US Route 290 and Windfern, chiseled square on top of sewer inlet.
50-3	78-16-9	101.14	At northeast corner of intersection of Genard Road and Gessner Drive, chiseled square in concrete culvert.
50-4	78-16-2	93.31	From intersection with Windfern Road, east approximately 0.65 mile on US Route 290 (eastbound); chiseled square on top of drain on south side of US Route 290.
50-5	78-16-2A	94.64	From intersection with West Little York, north approximately 0.37 mile on Fairbanks-North Houston Road; chiseled square on concrete culvert on west side of Fairbanks-North Houston Road.
50-6	Z-1007	94.70	From intersection of Campbell Road and US Route 290, 0.45 mile south on Campbell Road to station site 53 feet south-southwest of centerline of curve in Campbell Road; US Coast and Geodetic Survey disk set in top of concrete monument.
50-7	78-16-3	89.62	At southwest corner of intersection of US Route 290 and Guhn Road, chiseled square on top of drain.

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MAP PANEL 50 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
50-8	78-16-4	86.04	At southeast corner of intersection of US Route 290 and Hollister Drive, chiseled square on top of drain.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 55

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
55-1	78-26-1	90.16	Chiseled square in centerline of east sidewalk of North Houston-Rosslyn Road bridge over White Oak Bayou.
55-2	78-17-31	83.98	At northeast corner of intersection of West Little York Road and North Houston-Rosslyn Road, Harris County Flood Control District disk in inlet.
55-3	78-17-30A	78.68	From intersection with Antoine Road, east approximately 0.2 mile on West Little York Road to bridge over Whiteoak Bayou; Harris County Flood Control District disk in center of bridge on south side of West Little York Road.
55-4	78-17-30	78.75	From intersection with Antoine Drive, east approximately 0.38 mile on West Little York Road to bridge over Vogel Creek; brass Harris County Flood Control District disk in sidewalk of bridge on south side of West Little York Road.
55-5	D-279	79.95	At crossing of Creekmont Drive and Chicago Rock Island and Pacific Railroad, 63 feet south of drive centerline, 49.5 feet northeast of northeast rail of main track, brass US Coast and Geodetic Survey disk set on top of copper coated steel rod.
55-6	78-17-27	79.24	From intersection with Antoine Drive, east approximately 262 feet on Pinemont Drive; chiseled square on top of catch basin on north side of Pinemont Drive.

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MAP PANEL 55 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
55-7	78-17-28	82.74	From intersection with Antoine Road, west approximately 0.7 mile on Pinemont Drive; chiseled square in east end of headwall on north side of Pinemont Drive.
55-8	78-17-12	84.92	At northeast corner of intersection of Dolly Wright and Carver Road, chiseled square on west end of culvert.
55-9	78-17-13	87.16	At southeast corner of intersection of Carver Road and West Little York Road, Harris County Flood Control District Disk in center of headwall.
55-10	78-17-14	84.14	From intersection with Carver Road, east approximately 0.1 mile on De Soto, chiseled square on concrete pipe on north side of De Soto.
55-11	78-17-15	84.77	From intersection with De Soto Street, south approximately 0.15 mile on Duoto, to bridge; chiseled square at northeast end of bridge on east side of Duoto.
55-12	78-26-8	91.83	From intersection with FM 149, southeast approximately 1.31 miles on West Montgomery Road, chiseled square in concrete headwall on east side of West Montgomery Road.
55-13	78-26-9	88.01	At northwest corner of T-intersection of West Montgomery Road and Ellington, chiseled square on concrete pipe.

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MAP PANEL 55 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
55-14	78-17-37	89.43	From intersection with Phillips, northwest approximately 0.1 mile on West Montgomery Road; chiseled square on drainpipe on north side of West Montgomery Road.
55-15	8-17-38	85.99	At southwest corner of intersection of Wilburforce and Wheatley, railroad spike in power pole.
55-16	8-17-39	82.47	At northwest corner of T-intersection of Wheatley and Paul Quinn, chiseled square on top of drainpipe.
55-17	8-17-40	82.47	At northwest corner of intersection of Wheatley and Creekmont Drive, chiseled square on concrete headwall.
55-18	77-26-24	87.92	From intersection of West Mount Houston Road and Interstate Route 45, west on West Mount Houston Road 1.0 mile to intersection with Stuebner Airline Road in southwest corner of intersection; chiseled X on concrete slab for traffic control box in southwest corner of intersection, 50.7 feet east of manhole cover 33.6 inches in diameter for Bell System, 2d.3 feet west of Mobile sign on southeast corner of intersection, and west of northwest corner of Mobile gas station.
55-19	77-26-7	84.54	At intersection of Interstate Route 45 and West Gulf Bank Road, to northwest corner of intersection to chiseled square on concrete drainage cover 36 feet west of light signal pole and 48 feet northwest of light signal pole.

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MAP PANEL 55 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
55-20	77-26-6	82.39	From intersection of Interstate Route 45 and Gulf Bank Road, 0.16 mile east on Gulf Bank Road to intersection with Sweetwater Road, chiseled square on culvert running under Sweetwater Road, in northwest corner of intersection, 60.8 feet west of gas meter, 54.4 feet east of power pole, and 63 feet northwest of power pole.
55-21	78-17-10	85.49	At northeast corner of intersection of Dolly Wright and Knox, chiseled square on concrete pipe.
55-22	78-17-8	81.08	At southeast corner of T-intersection of San and North Shepherd Drive, chiseled square in center of concrete pipe.
55-23	78-17-7	77.56	At southeast corner of intersection of Interstate Route 45, feeder road, and West Parker Road, chiseled square on northeast corner of curb inlet.
55-24	78-17-6	73.11	From intersection with West Parker Road, south approximately 0.6 mile on Interstate Route 45 feeder road; chiseled square in center of culvert headwall on west side of Interstate Route 45 feeder road.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 60

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-1	78-17-5	67.92	At southeast corner of intersection of south feeder road of Interstate Route 45 and East Tidwell Road; chiseled square on a curb inlet.
60-2	Y-1149	73.49	North along Missouri Pacific Railroad from station at Houston, about 140 feet south of East Canino Road, 30 feet west of west rail, 5 feet north of telephone pole, 2 feet below level of tracks; US Coast and Geodetic Survey Disk on top of 5/8 inch copper coated rod encased in 6 inch tile.
60-3	P-89	79.19	From Southern Pacific Railroad Station, 2.8 miles northeast and north on Southern Pacific Railroad, 5.05 miles north on Missouri Pacific Railroad, about 0.05 mile south of Little York Road, to station site 74.3 feet west of center of chain link gate to northwest entrance of Patrick Henry Junior High School, 46.5 feet northeast of northeast rail, 31 feet southwest of East Hardy Road centerline; US Coast and Geodetic Survey Disk 1 foot northwest of metal witness post and 4 feet below rail level.
60-4	77-18-8	69.82	From intersection of East Hardy Road and Little York Road, south 0.6 mile on East Hardy Road to intersection with Charles Road in southeast corner of intersection in front of Texaco Station; chiseled X in concrete port around Texaco's underground gasoline tanks, 25.5 feet southeast of fire hydrant, 80.5 feet southeast of corner of chain link fence in northeast corner of intersection, and 42.5 feet north of Texaco sign.

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MAP PANEL 60 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-5	E-754	69.14	From Southern Pacific Railroad Station, 2.8 miles northeast and north on Southern Pacific Railroad, 4.25 miles north on Missouri Pacific Railroad at Wellington junction, 98 feet northwest of extended centerline of Wellington, 45.8 feet northeast of northeast rail, 32 feet southwest of East Hardy Road centerline, 190.5 feet east of telephone pole, 0.8 foot southeast of metal witness post; US Coast and Geodetic Survey Disk 5 inches below level of rail and set in top of concrete post projecting 0.5 foot.
60-6	77-18-9	69.59	From intersection of Little York Road and East Hardy Road, 1.1 miles south on East Hardy Road to power pole No. 9850 in southeast corner of intersection of Hardy and Schilder Roads; railroad spike projecting 3 inches from west side of power pole 16 inches above ground, 28.5 inches below COE witness post sign, 13.5 feet northeast of fire hydrant and 74.7 feet south of southwest corner of Oil Tool Rebuilders' Building.
60-7	77-18-10	68.83	From intersection of Little York Road and East Hardy Road, south 1.6 miles on East Hardy Road to unmarked power pole in southeast corner of intersection with Tidwell Road; railroad spike projecting 2 inches from west side of pole, 5 inches above ground, 33 inches below COE witness post sign, 57.6 feet northeast of fire hydrant in southeast corner of intersection, 12.8 feet west of traffic control light box.

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MAP PANEL 60 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-8	77-18-11	66.78	From intersection of East Hardy Road and Tidwell Road, east 0.5 mile on Tidwell Road to headwall in southwest corner of intersection with Alcorn, a chiseled x on concrete headwall 44.4 feet west of 7-Eleven sign.
60-9	77-18-12	65.17	From intersection of Tidwell Road and East Hardy Road, east 1.0 mile on Tidwell Road to southeast corner of intersection with Jensen Drive, in parking lot of Commercial State Bank; chiseled x in concrete footing for lamp post, 32.6 feet south of power pole and 75.5 feet northwest of metal pole supporting sign for Commercial State Bank.
60-10	77-18-13	62.99	From intersection of US Route 59 and Tidwell Road, east 0.1 mile on Tidwell Road to intersection with Dodson, railroad spike projecting 1.6 inches from west side of unmarked power pole in southeast corner of intersection, 20 inches above ground, 36.5 inches below COE witness post sign, 86.5 feet northeast of northeast corner of Lees Hardware and Nursery Center, and 99.5 feet south of power pole in northeast section of intersection.
60-11	77-18-14	62.33	From intersection of Tidwell Road and US Route 59, east 0.6 mile on Tidwell Road to service station in southeast corner of Tidwell Road intersection with Hirsch, in northeast corner of service station's parking lot; railroad spike projecting 2.5 inches from west side of power pole, 18 inches above ground, 49 inches below COE witness post sign, 101.9 feet east of traffic light box, and 6.7 feet north of Key Gas Station sign.

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MAP PANEL 60 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-12	77-18-23	55.78	From intersection of Tidwell Road and Homestead Road, south 0.5 mile on Homestead Road to northeast corner of intersection with Leighton, 80.2 feet northwest of Watson Cafe; railroad spike projecting 2 inches from west side of power pole No. 8900, 4.9 feet down from COE witness post sign, and 1.5 feet above ground.
60-13	77-27-13	70.67	At northwest corner of intersection of Aldine Mail Route and Aldine Westfield Road, chiseled square on east end of retaining wall.
60-14	77-27-16	69.06	At southeast corner of intersection of Aldine Westfield Road and Hartwick, railroad spike projecting 2.5 inches from power pole.
60-15	77-27-17	67.34	At northeast corner of intersection of Chamberlain and Aldine Westfield Road, railroad spike projecting 2.5 inches from power pole.
60-16	77-18-1	66.32	From intersection of Aldine Westfield Road and Little York Road, west 0.15 mile on Little York Road to edge of brush past open field on south side of road, railroad spike projecting 2.75 inches from north side of power pole, 9.5 inches above ground, and 52.5 inches below COE witness post sign, 175 feet southeast of southeast corner of Westfield Road Volunteer Fire Department building and 75 feet south of light and power pole on north side of Little York Road.

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MAP PANEL 60 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-17	77-18-2	61.26	From intersection of US Route 59 and Little York Road, west 0.9 mile on Little York Road to intersection with Somerset Lane; railroad spike in power pole No. 59732 in southeast side of intersection, projecting 2 inches from north side of pole, 10 inches above ground, and 30.5 inches below COE witness post sign, 12.2 feet northeast of fire hydrant, and 52.5 feet east of corner of chain link fence in southwest corner of intersection.
60-18	77-18-3	60.96	From intersection of US Route 59 and Little York Road, west on Little York Road 0.4 mile to lamp post on south side of road next to Leonards sign; chiseled square on north side of 2 foot x 2 foot circular concrete light pole post, 5.1 feet west of Leonards sign, 112.5 feet west of fire hydrant, 145 feet northeast of northeast corner of Modern Muffler Shop.
60-19	77-18-4	57.43	From intersection of Little York Road and US Route 59, east on Little York Road 0.2 mile to unmarked power pole on south side of road and on west side of entrance to Leasing Fleet Office; railroad spike projecting 2.5 inches on north side of pole, 18 inches above ground and 29.5 inches below COE witness post sign, 62.6 feet north of northeast corner of Leasing Fleet Office, 47.5 feet east of fire hydrant, and 8.2 feet west of telephone cable housing.

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MAP PANEL 60 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-20	77-18-5	62.99	From intersection of Little York Road and US Route 59, east 0.8 mile on Little York Road to unmarked power pole on south side of road; railroad spike projecting 2.5 inches from south side of pole, 21 inches above ground, 22 inches below COE witness post sign, 33.2 feet west of fire hydrant, and 159.2 feet south of power pole on north side of Little York Road.
60-21	77-18-6	67.29	From intersection of Little York Road and US Route 59, east 1.5 miles on Little York Road to far east headwall in front of Fire Station No. 56, City of Houston Fire Department; chiseled square on northeast corner of headwall, 80.4 feet northeast of fire station's flag pole, and 113 feet north of gas meter.
60-22	77-18-18	61.73	From intersection of Tidwell Road and Homestead Road, north on Homestead Road 1.3 miles to northeast corner of intersection of Homestead Road and Langley Road to station site at power pole No. 27222, 10.8 feet west-southwest of corner of chain link fence, and 75.1 feet north of fire hydrant in southeast corner of intersection; railroad spike projecting 2 inches from west side of power pole No. 27222, 8 inches above ground, 45 inches below COE witness post sign.
60-23	77-27-35	65.86	At T-intersection of Homestead Road and Sam Houston Road, railroad spike projecting 2.5 inches from power pole on east side of Homestead Road.

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MAP PANEL 60 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
60-24	77-27-34	67.98	At southeast corner of intersection of Homestead Road and Hopper Road, railroad spike projecting 2.0 inches from power pole.
60-25	77-18-7	67.38	From intersection of Little York Road and US Route 59, proceed east 1.8 miles on Little York Road to intersection with Homestead Road, in southwest corner of intersection; railroad spike projecting 2 inches from north side of wooden traffic signal support pole, 16 inches above ground, and 34 inches below COE witness post sign, 46.6 feet west of northwest corner of chain link fence surrounding Northwood Junior High School, 92.2 feet east of northeast corner of small building, No. 10747, inside used car lot.
60-26	77-18-19	69.59	From intersection of Little York Road and US Route 59, 2.2 mile east on Little York Road to northeast corner of intersection of Little York Road and Cheeves Drive; chiseled X in concrete culvert 21 feet north of Little York Road in front of U-TOTEM grocery store, 59 feet south of utility pole, 16 feet west of fire hydrant, 78 feet southeast of telephone company underground cable box.
60-27	77-27-33	72.67	From intersection with Hardy Road, west approximately 142 feet on Gulf Bank Road, railroad spike projecting 1.5 inches from power pole on south side of Gulf Bank Road.
60-28	E-1203	71.79	North along Missouri Pacific Railroad from Missouri Pacific Railroad Station, 0.2 mile south of Gulf Bank crossing, 2.2 feet northeast of telephone pole, 0.8 foot southeast of metal witness post, National Geodetic Survey disk in top of 4-foot length of 5/8-inch copper coated steel rod and protected by 6-inch metal pipe which projects 0.2 foot.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 65

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
65-1	77-27-40	66.60	At northwest corner of intersection of Suburban Road and Hermann Road, railroad spike projecting 3 inches from power pole.
65-2	77-18-21	57.05	From intersection of Little York Road and US Route 59, east 3.3 miles on Little York Road to chiseled square in northwest corner of bridge, 75 feet southwest of utility pole, 70 feet northwest of southwest corner of bridge, and 70 feet northwest of northeast fence post near gate in barbed wire fence.
65-3	77-27-37	56.24	From intersection with Little York Road, north approximately 0.6 mile on East Houston-Dyersdale Road; railroad spike projecting 2 inches from power pole on east side of Houston-Dyersdale Road.
65-4	77-18-22	53.39	From intersection of Little York Road and US Route 59, east 4 miles on Little York Road to intersection with East Houston-Dyersdale Road, chiseled X in culvert in northwest corner of intersection, 50 feet north of power pole, 29.5 feet southeast of No Dumping sign, 74.5 feet southeast of fire hydrant.
65-5	T-666	54.41	From Hibard Baptist Church at East Houston Road, 0.7 mile northeast on East Houston Road, 2.3 miles north on East Houston-Dyersdale Road; Coast and Geodetic Survey Disk set on top of west end of south concrete headwall of 3 x 2 foot box culvert, 20 feet east of road centerline, 128 feet southwest of southwest corner of William C. Smilley School, 34 feet northwest of power pole, 1 foot above road level and 1.8 feet east of west end of headwall.

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MAP PANEL 65 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
65-6	G-1215	52.43	From Hibard Memorial Baptist Church, 0.7 mile northeast on East Houston Road, 2.25 miles north on East Houston-Dyersdale Road, 38 feet west of road centerline, 8.5 feet west of telephone pole, 2.5 feet south of southeast fence corner for fence around Houston Natural Gas Pumping Station, at southeast corner of lawn of Carole M. Anderson Library, 1 foot north of metal witness post, about level with road; a disk on top of 4 foot copper coated rod attached to metal base plate, National Geodetic Survey Disk is ground level and encased in 6 inch metal pipe flush with ground level.
65-7	U-666	53.81	From Hibard Memorial Baptist Church at East Houston Road, 0.7 mile northeast to station site 1.45 miles north on East Houston-Dyersdale Road, disk set on top of south end of west headwall of 3 x 8 foot box culvert under road, 15 feet west of road centerline, 124 feet southeast of southeast corner of Kentshire Baptist Church Education Building, 22 feet northeast of telephone pole, 3.5 feet north of south end of headwall and 1 foot above road level.
65-8	77-18-33	44.50	From intersection of East Houston-Dyersdale Road and Little York Road, south approximately 1.5 miles on Houston-Dyersdale Road to northwest corner of intersection with Tidwell Road; railroad spike projecting 1.7 inches from east side of pole, 12 inches above ground and 50 inches below COE witness post sign, 92 feet north of power pole in southwest corner, 74.4 feet northwest of fire hydrant in southeast corner of intersection.

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MAP PANEL 65 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
65-9	77-18-32	43.66	From intersection of Tidwell Road and East Houston-Dyersdale Road, approximately 0.5 mile south on East Houston-Dyersdale Road to southwest corner of intersection with Talton Street, chiseled X in 21.6 x 21.6 concrete footing, 87.6 feet southeast of fire hydrant, and 59.6 feet northeast of northwest corner of Ferros Produce Stand.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 70

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
70-1	77-28-9	57.40	From intersection with Mesa Drive, east approximately 6.5 miles on Mt. Houston Parkway to bridge, chiseled square on southeast corner of bridge on south side of Mt. Houston Parkway.
70-2	A-1020	51.80	From intersection of Aqueduct Road and Garrett Road, approximately 1.15 miles northeast on Aqueduct Road to disk set in concrete monument 36.5 feet north-northeast of power pole, 36 feet east of centerline of Aqueduct Road, and 19 feet south of 15 inch pine tree.
70-3	77-28-8	50.71	From intersection with Mesa Drive, east approximately 6.0 miles on Mt. Houston Parkway; chiseled X in concrete culvert on south side of Mt. Houston Parkway.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 75

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
75-1	L-90-2	93.73	Railroad spike in center of Patterson Road bridge over Bear Creek.
75-2	L-9-2	93.86	Railroad spike in center of Patterson Road bridge over Langham Creek.
75-3	SR-5	108.99	From intersection of West Barker Cypress Road and Sauns Road; 250 feet north on West Barker Cypress Road to station site 30 feet west of road centerline, brass disk set in concrete monument.
75-4	10 USE	104.77	From East Barker Cypress Road overpass over Interstate Route 10, 0.9 miles north on East Barker Cypress Road to station site 24 feet east of road centerline; brass disk set in concrete monument.
75-5	SR-4	116.37	From intersection of East Barker Cypress Road and Addicks Dam, 0.2 mile west on dam to station site 12 feet north of dam centerline, brass disk set in concrete monument.
75-6	SR-3	111.32	From intersection of State Route 6 and Addicks Dam, 1.12 miles west on dam to station site 13 feet north of dam centerline, brass disk set in concrete monument.
75-7	SR-13A	107.49	From intersection of State Route 6 and US Route 90; approximately 0.9 mile west on State Route 90 to "T" intersection with gravel road leading south, 0.15 mile south on road to Barker Dam, 0.6 mile west on dam to station site 18 feet south of dam centerline, brass disk set in concrete monument.

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MAP PANEL 75 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
75-8	SR-1A	106.93	From intersection of State Route 6 and US Route 90, approximately 0.9 mile west on US Route 90 to T-intersection with gravel road leading south, 0.15 mile south on road to Barker Dam, 674 feet east on dam to station site 20 feet south of dam centerline, brass disk set in concrete monument.
75-9	G-8 RESET	95.89	From Missouri Kansas Texas Railroad overpass over State Route 6, proceed 0.2 mile east on rail to T-intersection with Old Howell Addicks Road station site located 9 feet south of south rail of main track, 20 feet west of road extended centerline, brass disk set in top of west end of south headwall of concrete culvert under tracks.
75-10	Addicks 2	87.82	1.6 miles east along Missouri Kansas Texas Railroad from overpass over State Route 6, 0.05 mile south along Addicks Fairbanks Road, at south side of access road, 25.8 feet south of center of three lanes of eastbound access road, 44.2 feet northwest of most southerly pole of billboard sign at edge of south retaining wall, bronze disk set in top of concrete post projecting 0.3 foot above ground.
75-11	Addicks 2 (RM-1)	88.59	1.6 miles east along Missouri Kansas Texas Railroad from overpass over State Route 6, about 0.05 mile south along Addicks Fairbanks Road, at south side of access road, 25.8 feet south of center of three lanes of eastbound lanes of access road, 34.8 feet east of power pole, 10 feet above level of access road, bronze disk set in top of concrete post projecting 0.4 foot above ground.

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MAP PANEL 75 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
75-12	R-1023	90.01	At crossing of Missouri Kansas Texas Railroad and Old Dairy Ashford Road, 34.4 feet north of north rail and 97 feet east of road centerline, brass disk set in concrete monument.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 80

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
80-1	COE	101.76	Brass cap on south side of Clay Road, 12 feet off pavement, 4,420 feet west of centerline of Addicks Dam.
80-2	TBM 0202A	103.25	Northeast bolt of light pole pad at southwest corner of intersection of Clay Road and Brittmoore Road.
80-3	78-16-8	99.48	At northwest corner of the T-intersection of Clay Road and Hollow Hook Road, railroad spike projecting 3 inches from power pole.
80-4	Y-1007	94.23	At intersection of Clay Road and Fitze Lane, 47.2 feet south of Clay Road centerline, 20 feet east of Fitze Lane centerline, U. S. Coast and Geodetic Survey brass disk set in concrete monument flush with ground.
80-5	78-16-7	89.09	At southeast corner of T-intersection of Clay Road and Galway Lane, railroad spike projecting 3 inches from power pole.
80-6	78-16-6	84.51	At northwest corner of intersection of Mona Lee Lane and Pitner Road, chiseled square on concrete culvert.
80-7	78-16-6A	81.79	At northwest corner of intersection of Sonneville Drive and Hollister Drive, chiseled square on top of concrete pipe.
80-8	W-1007	88.38	At intersection of Blalock Road and Campbell Road, located 66 feet west of Blalock Road centerline and 16 feet south of Campbell Road centerline, brass disk set in top of center of south headwall of concrete culvert under Campbell Road.

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MAP PANEL 80 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
80-9	R-1215	81.38	Approximately 1.15 miles north along Campbell Road from Interstate Route 10 overpass at Spring Branch, 100 feet west of extended centerline of Campbell Road, north of centerline of fourth lane of Longpoint Road, 24 feet north-northeast of light and power pole No. 1908, 0.6 foot west of metal witness post, 0.6 foot above the level of ground, a bronze disk protected by 6-inch steel pipe flush with ground.
80-10	V-1217	92.33	Approximately 3.2 miles east along Missouri Kansas Texas Railroad from overpass over State Route 6, at east entrance to Westchester Junior High School, 110 feet north of north rail, 50 feet east of centerline of a paved road leading north on east side of school, 35 feet north of centerline of Old Katy Road 30.2 feet east of extended centerline of North Kirkwood Drive northbound lanes, about 1.5 feet below level of tracks, and bronze disk protected by 6-inch steel pipe which projects 0.2 foot above ground.
80-11	C-1149	91.38	At crossing of Missouri Kansas Texas Railroad and Sherwood Forest, 35 feet west of street centerline and 36.3 feet south of south rail, a brass disk set flush with ground in tile.
80-12	F-1149	85.89	From crossing of Missouri Kansas Texas Railroad at Gessner Road, about 500 feet west on rail to station site 10.3 feet north of north main rail, brass disk set in top of west end to north concrete headwall of 30-inch culvert under track.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
80-13	B-8	84.11	At crossing of Missouri Kansas Texas Railroad and Witte Road, 17.3 feet north of north main rail and 76 feet west of road centerline, a chiseled square in top of north headwall of two channel concrete culvert under tracks.
80-14	M-1211	86.09	At Interstate Route 10 overpass at Bunker Hill Road, 35 feet east of centerline of northbound lane of Bunker Hill Road, 34.5 feet north of centerline of eastbound lane of Interstate Route 10, bronze disk set vertically in east face of southernmost of six concrete columns supporting overpass and three feet above level of ground.
80-15	M-1211	79.08	At Interstate Route 10 overpass at Campbell Road, 19.5 feet west of centerline of southbound lane of Campbell Road, 50 feet south of centerline of westbound lane of Interstate Route 10, bronze disk set vertically in east face of most northerly concrete column supporting overpass, and 3.3 feet above level of ground.

[1]National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 85

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
85-1	78-17-36	77.66	From intersection with Hempstead Road, north approximately 660 feet on Lang Road to bridge, Harris County Flood Control District disk in center of bridge on east side of Lang Road.
85-2	78-17-33	67.64	From intersection with Wyatt Milwee Street, north approximately 0.37 on Costa Rica Road to bridge, Harris County Flood Control District brass disk in center of bridge on east side of Costa Rica Road.
85-3	E-755	71.63	From crossing of Chicago Rock Island Railroad and North Shepherd Drive, 3.4 miles northwest on rail to station site, 49.4 feet southwest of southwest rail; US Coast and Geodetic Survey brass disk on top of copper coated steel rod.
85-4	78-17-21	60.87	From its intersection with West T C Jester Boulevard, east approximately 327 feet on East Interstate Route 610 feeder road to Whiteoak Bayou bridge, chiseled square in southwest corner of bridge on south side of East Interstate Route 610 feeder road.
85-5	78-17-22	58.39	From intersection with East T C Jester Boulevard, south approximately 375 feet on Ella Boulevard to White Oak Bayou bridge, chiseled square in north corner of bridge on southeast side of Ella Boulevard.
85-6	78-17-23	54.86	On westbound T C Jester Boulevard bridge over White Oak Bayou, Harris County Flood Control District disk set over centerline of bayou in south sidewalk.

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MAP PANEL 85 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
85-7	B-760	58.23	At crossing of North Shepherd Drive and Missouri Kansas Texas Railroad, 12.5 feet south of south rail 13 feet east of North Shepherd Drive east lane centerline, US Coast and Geodetic Survey brass disk set in top of north side of concrete base of crossing signal.
85-8	78-17-3A	59.69	At southeast corner of intersection of 40-1/2 Street and North Main Street, chiseled square on top of concrete catch basin.
85-9	G-1149	69.10	From intersection of Wirt Road and Interstate Route 10, approximately 0.3 mile east on Interstate Route 10 to station site 100 feet east of centerline of entrance to trailer park, US Coast and Geodetic Survey brass disk set in concrete tile monument midway between two east legs of steel power line.
85-10	RR-33	65.23	At the intersection of Memorial Drive and International Boulevard, railroad spike in power pole.
85-11	Y-669	67.49	At intersection of North Post Oak Road and U. S. Route 90, 30 feet north of U. S. Route 90 north lane centerline 145 feet east of North Post Oak Road, US Coast and Geodetic Survey brass disk in top of west end of north headwall of concrete culvert under U. S. Highway 90.

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MAP PANEL 85 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
85-12	W-1217	62.89	From crossing of Missouri Kansas Texas Railroad at West Loop 610 and Interstate Route 10, 0.7 mile east on rail to station site 112.7 feet south of south rail, U. S. Coast and Geodetic Survey brass disk set in steel pipe.

[1]National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 90

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
90-1	78-17-3	57.99	From its intersection with East 40-1/2 Street, south approximately 100 feet on Airline Drive, chiseled square in east edge of sidewalk on east side of Airline Drive.
90-2	C-760	53.94	At crossing of White Oak Drive and Missouri Kansas Texas Railroad, 45 feet northwest of intersection of rail and drive centerline, 9 feet northeast of northeast rail, brass U. S. Coast and Geodetic Survey disk set in top of west end of southwest wing wall at northwest end of small culvert.
90-3	D-760	54.08	At crossing of the Missouri Kansas Texas Railroad at intersection of Spring and Henderson, 37 feet north of Spring centerline, 19 feet north of north rail, brass U. S. Coast and Geodetic Survey disk set in concrete monument.
90-4	78-18-4	25.48	From intersection with White Oak Bayou south approximately 0.1 mile on Houston Avenue, chiseled X in billboard support on east side of Houston Avenue.
90-5	Y-1217	34.34	From switch control building No. 108, 0.9 mile northwest on Missouri Kansas Texas Railroad, at Interstate Route 10 eastbound overpass over tracks, to station site 13 feet north of north rail, 39.5 feet east of extended centerline of Holly, 27 feet north of extended centerline of Spring, 36.8 feet west-southwest of telephone pole, set in middle of, in line with first 4 concrete pillars supporting Interstate Route 10 eastbound lanes north of tracks, NGS Survey set on top of 4 foot length of 5/8 inch copper coated steel rod protected by 6 inch steel pipe flush with ground, 1 foot below level of tracks.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
90-6	Z-1149	58.55	From station at Houston, 2.75 miles north on Southern Pacific Railroad, approximately 1.3 miles north on Missouri Pacific Railroad at Loop 137 underpass, 5 feet west of west rail, Coast and Geodetic Survey disk set in top of west end of south concrete abutment of underpass, 152 feet northwest of Ready Mix Concrete Plant, level with track.
90-7	K-89	51.59	From Missouri Pacific Railroad station at Collingsworth crossing, on Missouri Pacific Railroad, Coast and Geodetic Survey disk set in top of west corner of west concrete foundation to water tank (which is no longer there, only leg foundation remains), 80 feet south of centerline of Collingsworth, 21.6 feet south of southwest corner of railroad telephone house No. 210, 7.3 feet east of east rail of Missouri Pacific Railroad, 1 foot east of west corner of west foundation, about 0.5 foot below rail level.
90-8	L-89	48.86	From Southern Pacific Railroad Station, 2.05 miles north on Southern Pacific Railroad to intersection of Southern Pacific Railroad and Quitman, 39 feet west of west rail of main track, 53 feet north of centerline of Quitman, 5.5 feet west of southeast corner of fence around group of transformers, 1 foot south of fence, 1.0 foot east of metal witness post, about level with tracks, Coast and Geodetic Survey disk set in top of concrete post projecting 2 inches.

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MAP PANEL 90 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
90-9	M-89	49.39	From station, 1.3 miles northeast on Southern Pacific Railroad to Lyons crossing, 34.5 feet west of west rail of main track, 67 feet west-southwest of northwest corner of building, 70 feet southwest of center of intersection of Lyons and Maffitt, 14 feet southeast of northeast corner of fence, to station site 3 feet west of west edge of sidewalk level with track, U.S. Coast and Geodetic Survey disk in top of concrete post projecting 4 inches.
90-10	R-54	48.14	From Southern Pacific Railroad Station, 1.85 mile northeast along Southern Pacific Railroad, to U.S. Coast and Geodetic Survey disk set in top of 2.5 foot by 10 foot concrete foundation, about 651 feet southwest of Jensen Drive underpass, 121.7 feet northeast of extended centerline of Stevens, 20 feet northwest of northwest rail, 3.7 feet east of east corner of concrete foundation of battery box, 0.4 foot northwest of southeast side of foundation, about 1 foot below rail level.
90-11	D-659	46.43	From County Courthouse, 0.5 mile northeast on San Jacinto, 0.5 mile east along Nance, 2.7 mile northeast along Southern Pacific Railroad, 0.2 mile northeast of Lockwood Drive overpass, 0.15 mile northeast of old tower No. 68, 113 feet southwest of west corner of new tower No. 68, 52 feet northwest of northwest rail of northwest track, 15 feet southeast of centerline of Liberty Road; Coast and Geodetic Survey disk set in top of northeast end of southeast headwall of concrete culvert under Liberty Road.

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MAP PANEL 90 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
90-12	Z-1020	48.32	From new Harris County Courthouse, 0.45 mile north-northeast on San Jacinto, 0.1 mile northeast on Rothwell, 0.45 mile east on Nance, 2.7 mile northeast on Southern Pacific Railroad to station site 0.2 mile northeast of Lockwood Drive overpass, a U.S. Coast and Geodetic Survey disk set in top of southwest end of northwest concrete foundation of tower building No. 68, directly beneath top of steel stairway, 39 feet northwest of northwest rail, 2 feet southwest of west corner, and 6 inches above ground.
90-13	77-18-24	54.78	From intersection of Tidwell and Homestead Roads, proceed south on Homestead 1.0 mile to southwest corner of intersection with Carothers, a railroad spike 0.18 inch from east side of power pole No. 27250 and No. 7825, 0.7 foot from ground, and 5.7 feet below a COE witness post sign, 56.6 feet south-southeast of southeast corner of chain link fence.
90-14	77-18-25	52.40	From intersection of Homestead Road and Ley Road, east 0.2 mile on Ley Road to power pole No. 7208/58958 on south side of road, 63.2 feet northwest of northeast corner of house at 7212 Ley, 64.2 feet south of power pole in northeast section of intersection, railroad spike in power pole No. 7208/58958 projecting 1.8 inches from north side of pole, 5.0 inches above ground, 72.0 inches below COE witness post sign.

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MAP PANEL 90 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
90-15	77-18-25	49.39	From intersection of Homestead Road and Ley Road, east 0.6 mile on Ley Road to concrete culvert in southwest corner of intersection of Ley Road and Kirkpatrick Boulevard, chiseled X on concrete culvert running under Ley Road, 17 feet northwest of fire hydrant, 52.2 feet south of power pole on north side of Ley Road.

[1]National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 95

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
95-1	77-18-27	48.30	From intersection of Homestead Road and Ley Road, east 1.1 mile on Ley Road to northeast corner of intersection with Wayside Drive North, railroad spike in unmarked power pole projecting 1.8 inches from west side of pole, 10.6 inches above ground, 57.6 inches below COE witness post sign, 59.7 feet north of traffic control box in southeast corner of intersection, 80.3 feet east of fire hydrant in northwest corner of intersection.
95-2	77-18-28	44.19	From intersection of Homestead Road and Ley Road, east 1.6 mile on Ley Road to unmarked power pole on south side of Ley Road, railroad spike projecting 1.8 inches from north side of pole, 6.6 inches above ground, 75.3 inches below COE witness post sign, 60.4 feet southwest of fire hydrant, 93.1 feet northeast of northwest corner of antique shop, 83.2 feet southeast of power pole No. 46146.
95-3	77-18-29	44.13	From intersection of Homestead Road and Ley Road, east 1.9 mile on Ley Road to northwest corner of intersection with East Houston Road, chiseled X on concrete slab for post footing, 62.3 feet southwest of southeast corner of Rona Drive in Grocery, 72.4 feet west northwest of fire hydrant in northeast corner of intersection.
95-4	77-18-34	42.76	From intersection of Ley Road and East Houston Road, east approximately 0.5 mile to Texaco sign on south side of Ley Road, chiseled X on 3 feet by 3 feet footing for Texaco sign, 14.7 feet south of fire hydrant, 80 feet east of light support post.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
95-5	W-666	44.63	From Hibard Memorial Baptist Church at East Houston Road, 0.2 mile north on East Houston Road to C+GS disk set on top of north end of east headwall for 2 feet by 8 feet box culvert 14 feet east of East Houston Road centerline, 98 feet northwest of center of junction of Carolwood Road and East Houston Road, 1 foot east of north end of headwall, 100 feet north of centerline of Green River Road about level with East Houston Road.
95-6	77-18-30	43.52	From intersection of Mesa Road and East Houston Road 0.3 mile west on East Houston Road to southwest corner of intersection with Feland Street, railroad spike projecting 1.2 inches from north side of power pole, 12 inches above ground, 64.2 inches below COE witness post sign, 93.5 feet northeast of southeast corner of Texaco gas station No. 8122, 69.9 feet southwest of fire hydrant in northeast corner of intersection.
95-7	77-18-31	44.31	From intersection of Tidwell Road and East Houston Dyersdale Road 0.9 mile south on East Houston Dyersdale Road to northeast corner of intersection with Crestview Drive, chiseled X in concrete headwall, 61.2 feet northeast of sign, 62.4 feet west of fire hydrant in northeast corner of intersection.
95-8	X-666 (1956)	42.06	From Hibard Memorial Baptist Church at East Houston Road, 0.7 mile south on East Houston Road to C+GS disk set in top of south end of west headwall for double channeled box culvert between Sunbury Road and Eastover Road, 24 feet west of East Houston Road centerline, 6 feet north of south end of east headwall, 49 feet north of telephone pole, 2 feet below road level.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
95-9	77-18-35	49.75	From intersection of Mesa Drive and Ley Road, approximately south 0.5 mile on Mesa Drive to bronze disk set in southeast headwall of southeast corner of bridge, 75.6 feet north of fire hydrant, 150 feet south of fire hydrant on southeast corner of intersection of Mesa and Spike Wood Drive.
95-10	77-18-36	43.73	From intersection of Ley Road and Mesa Road, south 1.0 mile on Mesa Road to chiseled X set in concrete headwall on west side of Mesa Road, 89.2 feet northeast of underground telephone box, 79.2 feet east of underground cable box.
95-11	A-1021	42.59	From new Harris County Courthouse, 0.45 mile north-northeast along San Jacinto, then 0.1 mile northeast on Rothwell, then 0.45 mile east on Nance, then 4.2 mile northeast on Southern Pacific Railroad to station site 54 feet northwest of northwest rail, Coast and Geodetic Survey Disk set in top of southeast end of southwest concrete seat of concrete bridge in Liberty Road, 23.5 feet southeast of centerline of road, 8 feet southeast of southeast concrete guardrail of bridge, about 2 feet below road level, about 1.5 feet below top of bridge abutment.
95-12	B-659	41.91	From Harris County Courthouse, 0.45 mile north-northeast on San Jacinto, then 0.1 mile northeast on Rothwell, then 0.45 mile east on Nance, then 4.85 mile northeast on Southern Pacific Railroad, 80 feet northeast of centerline of northeast lane of Interstate Route 610, 60.5 feet northwest of northwest rail, a Coast and Geodetic Survey Disk set in top of southwest end of southeast concrete headwall of culvert under road, 21.5 feet southeast of Liberty Road centerline, and 3.5 feet below track level.

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MAP PANEL 95 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
95-13	A-659	43.83	From Southern Pacific Railroad Station, 6.65 miles northeast along Southern Pacific Railroad from station, Coast and Geodetic Survey Disk set in top end of west concrete headwall of pipe culvert under abandoned paved road, 101.3 feet northwest of northwest rail, 162 feet northeast of junction of Liberty Road, 18 feet southwest of abandoned road, 264 feet northeast of northeast one of three metal power line towers with lines crossing tracks, 0.7 foot north of south end of west headwall, about 2 feet below level of rail.
95-14	77-18-37	43.92	From intersection of Lay Road and Mesa Road, approximately 1.5 miles south on Mesa Road to intersection with McCarty, chiseled square on northwest corner of cement footing for traffic light pole on island in Mesa Road, 50.1 feet south of fire hydrant, 100 feet west of traffic light support pole.
95-15	77-19-1	40.87	From intersection of Mesa Road and McCarty, northeast on north McCarty 0.9 mile to headwall on northeast side of driveway to storage building No. 10550, chiseled X set in concrete culvert headwall running under driveway, 43.4 feet northeast of northwest corner of chainlink gate, 282 feet west of western end of chainlink fence.
95-16	77-19-2	38.67	From intersection of Mesa Road and McCarty, northeast approximately 1.5 miles to entrance to Southern Bible College, chiseled X in headwall of driveway to school, 18.1 feet north of end of chain link fence next to brick post, 27.9 feet northeast of power pole.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
95-17	G 1148	35.13	From intersection of U. S. Route 90 and Sheldon Road, 7.25 miles southwest on U. S. Route 90, about 0.4 mile northeast of northwest entrance to Southern Bible College, 56 feet northwest of centerline of U. S. Route 90, 95 feet northeast of centerline of road leading to Davis Transport Company, Coast and Geodetic Survey Disk 1.5 feet northwest of metal witness post, set in top of concrete post.
95-18	G 1020	38.88	From intersection of U. S. Route 90 and Sheldon Road, about 6.25 miles southwest to station site 51 feet south of centerline of U. S. Route 90, Coast and Geodetic Disk set in top of south end of east concrete headwall of culvert under private paved road leading to Houston Power and Light Company plant, 23 feet northeast of centerline of paved road.
95-19	U 1202	38.06	From intersection of U. S. Route 90 and CE King Parkway, 121 feet northwest from centerline of U. S. Route 90, 77.7 feet southwest of centerline of CE King Parkway, 3.8 feet southeast of telephone pole, National Geodetic Survey Disk 1.4 feet southwest of metal witness post, set in top of steel rod.
95-20	J 1148	38.62	From intersection of U. S. Route 90 and Sheldon Road, 5.1 miles southwest on U. S. Route 90, 5 telegraph poles southwest of Mile Post No. 351, 18.3 feet southeast of private road, Coast and Geodetic Survey Disk set in top of concrete post.

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MAP PANEL 95 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
95-21	T-658	32.44	Bronze disk 1.15 miles west along Market Street Road from Market Street Baptist Church, then 1.45 miles north along Maxey Road, 345 feet south of private driveway, 2.5 feet northwest of T fence on west side of road.
95-22	78-19-GB 1	33.94	Railroad spike in power pole at entrance to house, No. 12527 on Church Road.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 105

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
105-1	BO24-78	97.70	60d nail with COE cap on upstream face of timber bridge over drainage ditch 1.3 miles upstream from confluence with Buffalo Bayou at Buffalo Bayou stream mile 52.6.
105-2	TBM 6	93.28	60d nail with COE cap on top of middle low beam on upstream face of timber bridge over Buffalo Bayou at stream mile 55.5.
105-3	WYE	89.94	Railroad spike at base of oak tree on right bank of drainage ditch (downstream) at confluence with Buffalo Bayou at Buffalo Bayou stream mile 52.6.
105-4	SR-6	107.94	From railway station in Clodine, 4.35 miles west along Westheimer Road to cross roads, north through wooden gate 0.19 mile to top of Barker Dam, east through white gate, approximately 0.8 mile to station site, bronze disk 12 feet north of center line of dam.
105-5	SR-5	108.72	From railway station in Clodine, 0.2 mile north along Barker-Clodine Road to top of Barker Dam, west 1.35 miles along top of dam to bronze disk 17 feet north of centerline of dam.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 110

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
110-1	SR-4	107.88	From intersection of US Route 90 and Addicks-Howell Road, 3.45 miles south to intersection with Beeler Road west on Beeler Road to Barker Dam, 1.6 miles southwest on dam to U.S. Army COE Survey disk 9 feet northwest of dam centerline.
110-2	SR-3	107.32	From intersection of US Route 90 and Addicks-Howell Road, proceed 3.45 miles south to intersection with Beeler Road, west on Beeler Road to Barker Dam, 0.6 mile west on Barker Dam to station site 11 feet west of dam centerline, US Army Corps of Engineers (COE) Survey brass disk set in concrete monument.
110-3	SR-2	108.25	From intersection of US Route 90 and Addicks-Howell Road, 2.05 miles south on road to T intersection with graded road leading west (close to Briarhills Parkway), west on graded road to Barker Dam, 477 feet south on dam to station site 15 feet west of dam centerline, US Army COE Survey brass disk set in concrete monument.
110-4	RC-2A	83.30	Harris County Flood Control District brass cap set in east side of Synott Road bridge over Brays Bayou.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 115

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
115-1	Q-669	69.55	From Fondren Road bridge over Buffalo Bayou, approximately 0.3 mile south on road to station site 30 feet south from road centerline brass disk set in concrete monument.
115-2	RC-42	78.94	At southwest corner of intersection of Kirkwood Road and Bellaire Boulevard, top of northwest bolt at base of metal signal post.
115-3	RC-54	76.83	Chiseled X on east side of Belle Park bridge over Brays Bayou.
115-4	RC-67	74.40	Bolt in concrete on east side of southbound lane of Bellaire Boulevard bridge over Brays Bayou.
115-5	JB-10	72.32	At northwest corner of intersection of Ranchester Drive and Bellaire Boulevard, chiseled X in curb 3 feet southeast of stop sign, in line with sidewalk.
115-6	JB-5	74.32	From intersection of Ranchester Drive and Harwin Drive, 100 feet north to chiseled X on curb on east side of Ranchester.
115-7	JB-4	78.10	At T intersection of Harwin Drive and Velure, top of fire hydrant on north side of Harwin.
115-8	RC-38	81.14	Brass cap over centerline of Brays Bayou on downstream side of Old Westheimer Road bridge.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 120

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
120-1	H-1211	64.11	At northwest corner of junction of Westheimer Road and Briargrove, brass disk in top, 1.0 foot east of west end of north concrete headwall of large double concrete box culvert over Bering Ditch, 12.9 feet north of north curb of road.
120-2	RR-40	65.25	At southeast corner of intersection of Woodway Drive and Nantucket, railroad spike in power pole.
120-3	RR-42	66.23	At northwest corner of intersection of Woodway Drive and Chimney Rock Road, railroad spike in power pole.
120-4	CD-H-2	53.75	Top of bolt on northeast leg of eighth tower south of Memorial Drive, (tower located on east side of Southern Pacific Railroad tracks).
120-5	CD-H-1	60.20	Top of bolt on southwest leg of third tower south of Memorial Drive (tower located on east side of Southern Pacific Railroad tracks).
120-6	RR-75	61.13	At southeast corner of intersection of Crestwood and Blossom, top bolt of fire hydrant.
120-7	RR-76	59.83	At southwest corner of intersection of Blossom and Datering, top bolt of fire hydrant.
120-8	RR-80	41.80	At intersection of Allen Parkway and Shepherd Drive, west of Shepherd Drive, northwest bolt on light standard No. 10816.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD)[1]	Description of Location
120-9	RR-79	40.78	On centerline of Memorial Drive, at intersection of Memorial Drive and Shepherd Drive, northwest bolt on light standard.
120-10	TLB-28	47.44	In median of Braeswood Boulevard at intersection with Wyndale Street, flange bolt on fire hydrant.
120-11	TLB-27	44.06	At southeast corner of intersection of Holcombe Boulevard and Braeswood Boulevard, top of flange bolt on northeast side of fire hydrant.

[1]National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 125

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-1	RR-90	55.08	At southwest corner of intersection of Washington Street and Studemont Street, north bolt on light standard.
125-2	RR-92	54.03	At southeast corner of intersection of White and Decatur, top bolt of fire hydrant.
125-3	O-54 Reset 1957	51.67	From Union Station at Houston, proceed 1.5 blocks southwest along Crawford Street, 7 blocks northwest on Capital Street, 1 block northeast on Travis Street to intersection with Texas Avenue, at west corner of Rice Hotel, set vertically in southwest marble face of building, 2.2 feet southeast of west corner, disk set about 4 feet above level of sidewalk.
125-4	M-54	52.33	From Union Station, proceed 1.5 blocks southwest on Crawford Street to station site 4 blocks northwest on Capital Street at intersection of Capital Street and San Jacinto Street, Coast and Geodetic Survey disk set vertically in northwest face of Post Office Building, 30 feet northeast of centerline of northwest entrance, 2.5 feet southwest of north corner, 3 feet above ground level.
125-5	P-54	48.72	At intersection of Congress Street and San Jacinto Street, Coast and Geodetic Survey disk set vertically in southeast face of Harris County Civil Courts building, 2 feet southwest of east corner, 2 feet above steel grate and concrete apron around building.

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MAP PANEL 125 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-6	78-18-2	31.97	From intersection with Main Street, proceed northwest approximately 0.1 mile on Collins Place to railroad bridge over Whiteoak Bayou, chiseled square on northwest corner of railroad bridge.
125-7	M-54	49.78	At intersection of Texas Avenue and Crawford Streets, at Crawford Street entrance of Union Station, 20 feet northwest of northwest station wall, 4.7 feet above ground, Coast and Geodetic Survey disk set vertically in northwest face of most northeasterly stone pillar.
125-8	P-174	50.19	From new Harris County Courthouse, proceed 0.3 mile north on San Jacinto Street to Padin Iron Company building, approximately 0.3 mile southeast on Southern Pacific Railroad, 0.1 mile north on McKee to station site 22 feet east of centerline of street; Coast and Geodetic Survey disk set in top of northeast corner of three by three foot concrete pillar at southeast corner of bridge, 7 feet above level of sidewalk.
125-9	B-458	43.30	From station at Girard, 1.1 mile northeast along Southern Pacific Railroad to Coast and Geodetic Survey disk set vertically in northeast wall of large brick building, 32 feet southeast of Nance Street centerline, 16.6 feet southwest of southwest rail of southwest track, 5.4 feet south of south corner of concrete foundation of south railroad crossing signal light, 2.2 feet southeast of north corner of northeast face of building, 3.4 feet above ground.

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MAP PANEL 125 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-10	D-896 (1943)	48.34	At Houston Belt and Terminal Railroad crossing of Live Oak Street, 30 feet southwest of southwest rail of main track, 42 feet southeast of Live Oak Street centerline, U. S. Coast and Geodetic Survey brass disk set vertically in northeast face of concrete foundation of brick building, 2 feet southeast of north corner.
125-11	M-174	41.84	From Reed Roller Bit Company building, proceed 2.5 miles west on Navigation Boulevard, 0.2 mile west on Runnels Street at railroad crossing, 29.5 feet west of southwest corner of Myers-Spalti Furniture building, 29 feet north of centerline of street, 21 feet east of east rail, 2 feet northwest of vertical rail, 1.5 feet west of southwest corner of wire mesh fence, 2 feet above level of track, Coast and Geodetic Survey disk set in top of concrete post flush with ground.
125-12	K-174	38.83	From Reed Roller Bit Company building, proceed 2.5 miles west on Navigation Boulevard at intersection with Jensen Drive at northwest end of island in center of boulevard, to station site 22 feet southwest of centerline of northeast traffic lane, 37 feet southwest of centerline of Jensen Drive, 5 feet south of circular curb, 1.5 feet southeast of fire hydrant, Coast and Geodetic Survey disk set in top of concrete post flush with ground.

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MAP PANEL 125 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-13	L-54 (1918)	47.31	At crossing of Houston Belt and Terminal Railroad and Sampson Street, 34.5 feet northeast of northeast rail of main track and 43.5 feet northwest of Sampson Street centerline, U. S. Coast and Geodetic Survey brass disk set vertically in southwest brick wall of warehouse.
125-14	D-765 (1943)	43.76	At Houston Belt and Terminal Railroad crossing of Leeland Street, 12 feet east of east rail and 2 feet north of Leeland Street north curb, U. S. Coast and Geodetic Survey brass disk set in top of southwest corner of abandoned signal foundation.
125-15	Z-457	44.86	At intersection of Houston Belt and Terminal Railroad and Gulf Freeway overpass, U. S. Coast and Geodetic Survey brass disk set vertically in northeast face of most northwesterly concrete pier.
125-16	H-174	40.98	From Read Roller Bit Company building, proceed 1.95 miles west on Navigation Boulevard at intersection of Engleke from west end of island in center of Navigation Boulevard, 820 feet northeast of Engleke centerline, 22 feet south-southeast of Union Wire Rope Corporation building front entrance, 18.5 feet southeast of southeast rail of spur railroad track, to station site 1.5 foot southeast of concrete curb, Coast and Geodetic Survey disk in top of concrete post 5 inches below level of lawn.

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MAP PANEL 125 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-17	U-1184	42.49	At intersection of Galveston, Houston and Henderson Railroad and Eastwood, brass disk set in top of concrete base of railroad crossing signal light.
125-18	G-174	38.31	From Reed Roller Bit Company building, proceed 1 mile west on Navigation Boulevard, 0.4 mile north on Lockwood Drive to station site at south end of steel bridge over Buffalo Bayou, Coast and Geodetic Survey disk set in top of west side of concrete walkway at east side of bridge, 21 feet east of street centerline, 1 foot south of south end of east steel truss of bridge.
125-19	G-1007	37.51	At crossing of Houston Belt and Terminal Railroad and Navigation Boulevard, approximately 300 feet east of Reed Tool Company Building, 56 feet west of west rail, U. S. Coast and Geodetic Survey brass disk set in top of southeast corner of southwest concrete footing of power line tower.
125-20	K-1185	34.75	At intersection of Avenue R and 69th Street, 35 feet south of Avenue R centerline and 22.5 feet west of 69th Street centerline, U. S. Coast and Geodetic Survey brass disk set in top of west edge of concrete catch basin.
125-21	U-1142	29.88	From Port Terminal Building at Houston Turning Basin, 0.7 mile west on paved road, 0.15 mile southeast of Gate 8 (Main guard gate to turning basin), 126 feet east of east rail of Southern Pacific Railroad, Coast and Geodetic Survey disk set in top of west side of southwest concrete footing of most northerly of 2 waters, 76 feet east of chain link fence, 1 foot above ground.

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MAP PANEL 125 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-22	S-1007	19.96	At intersection of Southern Pacific Railroad over Buffalo Bayou and South Harbor Drive, 26 feet north of South Harbor Drive centerline and 63 feet south of bridge south end, U. S. Coast and Geodetic Survey disk set vertically in east face of concrete pier of South Harbor Drive underpass.
125-23	TLB-24	43.29	At northeast corner of intersection of Mac Gregor Drive and Alameda Road, flange bolt painted red on fire hydrant.
125-24	B-765 (1943)	42.11	At Houston Belt and Terminal Railroad overpass over Old Spanish Trail, U. S. Coast and Geodetic Survey brass disk set in top of south end of east retaining wall, 0.3 foot south of pipe railing, 7.8 feet east of east rail.
125-25	M-8	37.99	At southwest end of Linwood Street, 9.4 feet northeast of northeast rail and 2.0 feet southwest of cyclone fence enclosing Hughes Tool Company parking lot, chiseled circle in top of center of northeast concrete headwall of large culvert, marked by letters "US."
125-26	F-765	33.22	From crossing of Galveston, Houston and Henderson Railroad and South 70th Street, 275 feet west along rail, U. S. Coast and Geodetic Survey brass disk set in top and 1.3 feet east of west end of north concrete headwall of large concrete box culvert, 8.9 feet north of north rail.

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MAP PANEL 125 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
125-27	R-458	31.73	At Galveston, Houston and Henderson Railroad and 75th Street underpass, U. S. Coast and Geodetic Survey brass disk in top and 0.4 foot southwest of northeast end of south concrete wing wall of underpass.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 130

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
130-1	A-1185	36.04	From new Port Terminal Building on northeast side of Houston Ship Channel, 0.25 mile northwest on paved road, then 0.25 mile southeast on Clinton Drive, 0.6 mile north of McCarty, 55 feet northeast of center of intersection of Flaxman, 50.5 feet east of McCarty centerline, 24 feet north of Flaxman centerline, 65 feet southeast of southeast corner of Port Houston Elementary School, 41.5 feet west of southwest corner of new school building, 5.5 feet east of southwest fence corner of new school yard, 1 foot south of wire mesh fence, Coast and Geodetic Survey disk set in top of concrete post flush with ground.
130-2	B-1185	37.29	From new Port Terminal Building on northeast side of Houston Ship Channel and turning basin, 0.25 mile northwest on paved road to station site 24 feet southwest of centerline of road, 135 feet northeast of and above wharf No. 11, Coast and Geodetic Survey disk set in top of concrete retaining wall, 18.5 feet north of point where seawall slopes downward, 1 foot northeast of southeast end of metal pipe railing, about 5 inches above road level.
130-3	M-8	18.40	From intersection of Glendale and Glendora, approximately 300 feet south along rail to station site 24.5 feet northeast of northeast rail, U. S. Coast and Geodetic Survey copper bolt in top of center of northeast concrete headwall of large concrete box culvert.

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MAP PANEL 130 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
130-4	M-1185	26.76	From new Port Terminal Building on northeast side of Houston Turning Basin, 1.35 miles southeast along paved road, 0.95 mile southeast along northeast side of Houston Ship Channel, about 0.15 mile north of bank of channel, 58.5 feet northwest of north end of small concrete headwall of pipe culvert, 51 feet west of centerline of road, Coast and Geodetic Survey disk on top of rod encased in concrete tile.
130-5	77-11-80	29.10	At Gate No. 1 of Arco Refinery Plant on Lawndale, 21.5 feet west of Arco Gate driveway centerline 61 feet north of Lawndale centerline, chiseled square 16 inches north of south end of curb.
130-6	77-11-81	28.29	At intersection of Lucor, and Allen Genoa Road centerline, 18 feet southwest of Allen Genoa Road centerline, 6 feet southeast of corner of church parking lot, railroad spike in power pole No. 6713, marked with Corps of Engineers witness post sign.
130-7	77-11-64	23.43	At intersection of Clinton Drive and Holland, 29 feet west of Holland centerline, railroad spike in power pole No. 166 marked with Corps of Engineers witness post sign.
130-8	77-11-63	22.41	From Wasburn Tunnel, 0.7 mile west on Clinton Drive to station site 47 feet north of Clinton Drive centerline and 45 feet south of gas line terminal shack, railroad spike in power pole marked with Corps of Engineers witness post sign.

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MAP PANEL 130 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
130-9	J-1185	4.95	At intersection of Federal Road and American Petroleum Road, located 14 feet north of American Petroleum Road centerline and 75 feet southeast of southeast corner of gas station, brass U. S. Coast and Geodetic Survey disk set at west end of north headwall.
130-10	77-11-55	11.23	From intersection of Jackson and State Route 225, 1.8 miles north on Jackson to station site 33 feet west of Jackson centerline before road curves west, railroad spike in power pole No. 39 marked with Corps of Engineers witness post sign.
130-11	J-1184	29.76	From Jacinto City Municipal Building, 0.94 mile east on Market Street Road at row of pylons with lines crossing over Market Street Road, 67 feet north of Market Street Road centerline, to station site 213 feet east of centerline of Siesta Lane, Coast and Geodetic Survey disk set in top of southwest corner of southwest concrete footing of tower No. 47, 15 inches above ground.
130-12	X-1019	28.07	From intersection of Federal Road and Market Street Road, 0.35 mile east to station site 258 feet north of Market Street Road centerline, 35 feet northeast of northeast corner of fire station, disk set in top of east corner of southeast concrete footing of water tower, 14 inches above ground.

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MAP PANEL 130 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
130-13	Q-658	25.10	From Market Street Baptist Church at Greens Bayou, proceed 0.5 mile east on Market Street Road to station site 13 feet northwest of centerline of Market Street Road, Coast and Geodetic Survey disk in top of northwest end of southwest concrete abutment of bridge over Greens Bayou.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 135

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
135-1*	V 1142	23.45	From Market Street Baptist Church at Greens Bayou, proceed 1.3 miles east on Market Street, 310 feet north of centerline of street, 83 feet west of centerline of west lane of Freeport Street, 162 feet northwest of middle and most northerly concrete pillar of Freeport Street underpass, disk set in top of the east end of north concrete headwall of culvert over irrigation ditch.
135-2	3459 THD	26.74	0.5 mile east from intersection of Freeport Street and Interstate Route 10, 86 feet south of centerline of highway's south lane, Texas Highway Department disk set in top of south concrete headwall of culvert under Market Street, 5 feet west of east end of culvert.
135-3	33.529 USE	25.39	From intersection of Market Street and Penn City Road, proceed 72 feet south of centerline of Market Street, 36 feet east of centerline of Penn City Road, 13 feet north of power pole, 1 foot north of concrete highway right-of-way marker, San Jacinto Ordinance disk set in top of concrete post.
135-4	77-11-96	12.99	From intersection of Penn City Road and Access Road to Intercontinental Bulk Systems Company; proceed 0.8 mile west on Access Road to station site 50 feet north of Access Road centerline; railroad spike in barbed wire fence post.

*Located Outside Corporate Limits - not shown

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MAP PANEL 135 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
135-5	77-11-48B	10.45	From intersection of State Route 225 and South Road; proceed 1.9 miles north on South Road to station site near gate to Industrial Park (Ethyl Corporation); chiseled square on northwest corner of concrete base for pipe support; 14.5 feet east of driveway centerline.
135-6	77-11-49	24.89	From intersection of South Road and State Route 225; proceed 1.5 miles north on South Road to station site 66 feet west of South Road centerline; railroad spike in power pole No. 28112.
135-7	77-11-50	25.71	From intersection of South Road and State Route 225; proceed 0.9 mile north on South Road to station site 47 feet west of South Road centerline and 82 feet south of railroad; railroad spike in power pole.
135-8	77-11-48A	30.63	At intersection of State Route 225 and Shell Access Road (south of Shell Oil Company complex); located 15 feet east of railroad, chiseled square on northwest corner of concrete pad for railroad red light.
135-9	E-1189	13.50	At entrance to Shamrock Private Golf Course and intersection with Tidal Road, near Y-intersection at main entrance to Diamond Shamrock Chemicals, disk set in rod pipe, 12.2 feet southwest of metal gate pipe, 0.5 foot west of witness post, and 81 feet northeast of northeast corner of "L" headwall.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 140

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
140-1	78-20-48	6.55	From Interstate Route 10 and San Jacinto Park Exit, proceed south 1.7 miles on Crosby-Lynchburg Road to Gulf Refining Company, Lynchburg Station, to railroad spike projecting from power pole and 36 feet west of centerline of Crosby-Lynchburg Road, 63 feet south of entrance road to Gulf Refining Company.
140-2	78-20-49	12.76	From Interstate Route 10 and San Jacinto Park Exit, proceed south 2.1 miles on Crosby-Lynchburg Road to Coastal Industrial Water Authority Lynchburg pump station entrance. Chiseled square 9 feet north of centerline of Crosby-Lynchburg Road and 42 feet east of centerline of entrance.
140-3	C-1151	25.84	From intersection of Crov Avenue and Bayway Drive, proceed 1.0 mile northwest on Bayway Drive to disk set vertically in southeast face of Baptist church, 24 feet northeast of southeast corner of building, 2.5 feet southwest of east corner of building.
140-4*	G-1148	8.90	On northeast bank of Spilman Island, about 0.15 mile east-northeast of the southwest end of the Baytown Tunnel, proceed to disk 2 feet east-southeast of fence line, 3.5 feet east-southeast of metal witness post, and on top of rod. (131 feet east-southeast of centerline of road forming U-turn over tunnel.)

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling
*Located Outside Corporate Limits - not shown

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MAP PANEL 145

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
145-1	RC-31	84.67	At east side of Dairy Ashford Road, 125 feet south of Carvel Lane, chiseled X on low beam of pipe crossing.
145-2	Brown 35	87.96	At intersection of Bissonet Road and Dairy Ashford Road, bolt in top flange of fire hydrant, between the "LL" in the name "Mueller."
145-3	Brown 37	86.96	At northwest corner of intersection of Old Richmond Road and Eldridge Road, 60d nail in power pole.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 150

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
150-1	RC-33	78.31	From intersection of Carvel Lane and Kirkwood Road, proceed south on Kirkwood Road to Harris County Flood Control District brass cap set at centerline of stream on west side of bridge.
150-2	Brown 34	86.09	At southwest corner of T-intersection of Bissonet and Keegan Road, railroad spike in power pole.
150-3	Brown 33	84.38	From intersection of Bissonet and Kirkwood Road, proceed 0.69 mile east to southwest corner of intersection with Exxon pipeline crossing, 60d nail in power pole.
150-4	TLB-28	74.56	Chiseled X in north end of east headwall of box culvert under northbound feeder road of US Route 59, 2,530 feet northeast from intersection of US Route 59 and Stancliff Creek.
150-5	RC-71	72.70	Harris County Flood Control District brass cap set in centerline of downstream side of Roark Road bridge over Brays Bayou.
150-6	PB-9	70.85	At Beechnut bridge over Brays Bayou, chiseled square in sidewalk on downstream side.
150-7	JB-19	68.21	At T-intersection of Beechnut and Jorine Drive, chiseled X in curb on south side of Beechnut.
150-8	PB-7	69.61	Chiseled square on northwest bank wingwall of Country Creek Road bridge over Brays Bayou.

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MAP PANEL 150 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
150-9	PB-4	69.89	Chiseled X on north corner of US Route 59 west frontage road bridge over Brays Bayou.
150-10	RB-28	66.53	Chiseled square on the northeast corner of Braeburn Glen Boulevard bridge over Brays Bayou.
150-11	RC-27	62.39	From intersection of Fondren Road and South Braeswood Boulevard, proceed 200 feet north on Fondren to chiseled X on the northeast corner of bridge over Brays Bayou.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 155

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
155-1	TLB-33	47.19	From Buffalo Speedway bridge of Brays Bayou, proceed 800 feet east on North Braeswood Boulevard to light standard, No. 33795, on east end of bridge over unnamed tributary, southwest bolt of light standard.
155-2	TLB-32	49.10	On downstream side of northbound Kirby Drive bridge over Brays Bayou, Harris County Flood Control District brass cap.
155-3	TLB-31	46.03	At northeast corner of intersection of North Braeswood Boulevard and South Main Street, southeast bolt on base of light standard near corner of Marinis Parking Lot.
155-4	V-1182	53.33	From intersection of Beechnut and West Loop Interstate Route 610; proceed 0.54 miles south along west frontage road of West Loop Interstate Route 610 to station site 21 feet west of frontage road centerline; brass disk in top and 1.2 feet north of south end of west concrete walkway of Frontage Road bridge over Brays Bayou.
155-5	E-1150	57.39	From intersection of West Bellfort Avenue, and South Post Oak Road; proceed 0.05 mile south on South Post Oak Road to station site 160 feet east of South Post Oak Road centerline; brass disk set in top of concrete foundation of building (Phillips 66 Service Station) 1.9 feet northwest of northwest corner of building.

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MAP PANEL 155 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
155-6	W-805	67.79	From intersection of US Route 90A and Chimney Rock Road; proceed 0.2 mile northeast on US Route 90A to station site 33.5 feet northwest of northwest lane centerline of US Route 59; brass disk in top and 1.0 foot northwest of southeast end of southwest concrete headwall of pipe culvert.
155-7	P-805	65.31	At intersection of South Post Oak Road and US Route 90A; located 17 feet east of South Post Oak Road centerline of east lanes and 63 feet southeast of US Route 90A centerline of southeast lanes; brass disk in top and 0.9 foot north of south end of east concrete headwall of pipe culvert.
155-8	H-1150	66.79	At intersection of South Post Oak Road and Allum Road; located 21 feet west of South Post Oak Road centerline and 80.5 feet south of Allum Road extended centerline; brass disk in top and 0.8 foot south of north end of west concrete headwall of concrete box culvert.
155-9	W-1150	59.81	From intersection of Holmes Road and Hiram Clarke Street, proceed 1.21 miles northeast on Holmes Road to station site at crossing of an asphalt driveway to house at 410 Holmes Road; brass disk set vertically in south face of south concrete foundation of large metal building.
155-10	X-1150	55.99	From intersection of Kirby Drive and Holmes Road; proceed 0.1 mile southwest on Holmes Road to station site 44 feet northwest of Holmes Road centerline; brass disk in top and 2.6 feet southwest of northeast end of concrete foundation of former oil well motor mount.

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MAP PANEL 155 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
155-11	Y-1150	49.72	At intersection of Knight Road and Holmes Road; located 18 feet east of Knight Road centerline and 60.5 feet southeast of Holmes Road centerline; brass disk in top of center of southeast concrete wingwall of large double concrete box culvert, 1.0 foot east of east edge of headwall.
155-12	S-1184	48.60	At State Route 288 overpass over Southern Pacific Railroad; located in top and 3.5 feet north of south end of east concrete abutment of overpass; brass disk 1.0 feet west of west face of concrete retaining wall.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 160

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
160-1	D-1144	48.54	From intersection of Southern Pacific Railroad and M. L. King Boulevard; proceed 3.0 miles southwest along railroad to station site 29.8 feet northwest of northwest rail and 57.5 feet southwest of centerline of driveway at 2727 Holmes Road, 2.0 feet southwest of witness post; brass disk set in concrete monument.
160-2	C-1144 (1959)	43.76	At Southern Pacific Railroad crossing of Cullen Boulevard, located 25.0 feet southeast of southeast rail and 209 feet east of Cullen Boulevard centerline; US Coast and Geodetic Survey brass disk set in top of concrete monument marked with witness post sign.
160-3	V 457	40.77	At crossing of Atchison, Topeka and Santa Fe Railroad over Kuhlman Gully, at south end of railroad switch yards, proceed to US Coast and Geodetic Survey disk set in top and 1.1 foot north of south end of west headwall, 8.5 feet west of west rail of main track.
160-4	Z-1181 (1963)	43.05	At intersection of Nykawa Road and Dixie Drive; located 11.1 feet west of west rail (Atchison, Topeka and Santa Fe Railroad) and 71 feet east of Nykawa Road centerline; US Coast and Geodetic Survey brass disk set in top and at west edge of foundation of semaphore 171A.
160-5	PP-58	37.22	At intersection of Jutland Road and Groveton, top of manhole painted white.

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MAP PANEL 160 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
160-6	PP-21	41.37	On median at crossover at M. L. King and Schevers, chiseled X in top of curb.
160-7	PP-60	42.87	Approximately 100 feet west of intersection of Leitris Way and Fisher Road, top bolt, painted orange, on upstream side of bridge.
160-8	PP-66	44.30	At southwest corner of intersection of Cullen Boulevard and Bowchar Street, painted bolt on fire hydrant.
160-9	PP-48	40.98	The top bolt at the southwest corner of Selinsky Road bridge over Tributary 10.72 to Sims Bayou, approximately 350 feet east of Webercrest Street.
160-10	PP-42	43.49	From intersection of Martindale Road and Selinsky Road, proceed east 0.41 mile to bridge over ditch, bolt on northwest corner of bridge.
160-11	R-457 (1951)	37.84	From intersection of Almeda-Genoa Road and Mykawa Road; proceed 1.6 miles north along Atchison, Topeka and Santa Fe Railroad to station site 33.2 feet east of east rail and 41 feet north of private road (Exxco Company) centerline; US Coast and Geodetic Survey brass disk set in concrete monument flush with ground and marked with witness post.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 165

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
165-1	L-1147	31.60	At intersection of Bellevue Street and Coleto Street, located 28 feet east of Bellevue Street extended centerline and 187 feet north of Coleto Street centerline, 1.5 feet east of west cyclone fence, US Coast and Geodetic Survey brass disk set in concrete monument.
165-2	D-640	27.22	From intersection of Park Place Boulevard and Galveston, Houston and Henderson Railroad, proceed 0.1 mile northwest along railroad, directly opposite railroad bridge 7.7 over Pine Gully, in top of northeast concrete guardrail of bridge under Galveston Road, 12.0 feet southeast of northwest end of guardrail; a US Coast and Geodatic Survey brass disk 1.0 foot northwest of northwest end of steel part of guardrail.
165-3	C-640 (1965)	22.84	At Galveston Road bridge over Berry Creek; located in top and 0.7 foot northwest of southeast end of southwest concrete headwall; US Coast and Geodetic Survey disk 16 feet southwest of southwest curb of road.
165-4	B-640 (1959)	29.36	From intersection of Winkler Road and State Route 3; proceed .07 mile northwest on State Route 3 to station site 44.6 feet south of State Route 3 centerline; US Coast and Geodetic Survey brass disk set in concrete monument marked with witness post.
165-5	T-1205 (1973)	30.91	At intersection of College Avenue and State Highway 3 in east corner of intersection; located 3 feet southeast of power pole and 21 feet north of second power pole; US Coast and Geodetic Survey disk set on top of rod protected by 6-inch diameter pipe.

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MAP PANEL 165 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
165-6	A-640 (1962)	27.44	From intersection of State Route 3 and College Avenue; proceed 0.4 mile southeast on State Route 3 to station site; US Coast and Geodetic Survey brass disk set in top of northeast concrete headwall of double pipe culvert running under State Route 3, approximately 35 feet northeast of State Route 3 centerline.
165-7	Z-639 (1965)	34.28	Approximately 1.4 miles southeast along State Route 3 from intersection of College Avenue; approximately 0.2 mile southeast of junction with Edgebrock Drive, 58.5 feet southwest of southwest rail of Galveston-Houston-Henderson Railroad, 35 feet northeast of centerline of State Route 3, 18 feet west of telephone pole, US Coast and Geodetic Survey disk set in top and center of northeast concrete headwall of concrete culvert pipe and approximately 1.5 feet below level of highway.
165-8	U-1205 (1973)	39.13	At intersection of Houston and Henderson Railroad and Shaver; located 27 feet northwest of street centerline and 50 feet northeast of most eastern rail; US Coast and Geodetic Survey brass disk set on top of northwest headwall of double box culvert.
165-9	77-11-82	29.74	At intersection of Allen-Genoa Road and Ahrens; 28 feet southwest of Allen-Genoa Road centerline and 57 feet southeast of east corner of chain link fence; railroad spike in power pole No. 6724, marked with Corps of Engineers witness post sign.

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MAP PANEL 165 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
165-10	77-11-83	30.49	At intersection of Allen-Genoa Road and Shamrock; located 31 feet southwest of Allen-Genoa Road southeast bound center lane and 21 feet north of north corner of building; railroad spike in a power pole marked with a Corps of Engineers witness post sign.
165-11	77-11-84	30.52	At intersection of Allen-Genoa Road and Allendale Road; located 17 feet northwest of Allendale westbound lane centerline and approximately 135 feet southeast of east corner of residence; a railroad spike in power pole No. 1653, marked with Corps of Engineers witness post sign.
165-12	77-11-85	30.41	From intersection of Allen-Genoa Road and Queens Road, proceed 200 feet southeast on Allen Genoa Road to station site 28 feet southwest of Allen-Genoa Road centerline; railroad spike in power pole marked with Corps of Engineers witness post sign.
165-13	77-11-86	32.10	At intersection of Allen-Genoa Road and Bonnie; located 32 feet southwest of Allen-Genoa Road centerline and 82 feet north of east corner of home across Bonnie; railroad spike in power pole No. 229, marked with Corps of Engineers witness post sign.
165-14	77-11-3	39.30	At intersection of Allen-Genoa Road and Crenshaw Road located 30 feet northeast of intersection of two roads centerline; railroad spike in power pole marked with Corps of Engineers witness post sign.

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MAP PANEL 165 - continued

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
165-15	M-1147	25.16	At intersection of Richey and West Blaine Street; located 91 feet west of Richey centerline and 158 feet south of West Blaine Street, US Coast and Geodetic Survey brass disk set in concrete monument.
165-16	P-1147	28.74	At intersection of Richey and Inwood Lane; located 90 feet west of Richey centerline and 69 feet north of Inwood Lane centerline; brass disk set in top of west side of concrete foundation of flag pole.
165-17	B-1189 (1964)	28.08	From intersection of South Houston-Pasadena Road and Queens Road, proceed 138 yards north on South Houston-Pasadena Road to station site 25 feet west of South Houston-Pasadena Road centerline; US Coast and Geodetic Survey brass disk set in top of west side of concrete catch basin.
165-18	K-1147	30.67	At intersection of Avenue A and 8th Street; located 59 feet southwest of intersection of avenue and street centerline; US Coast and Geodetic Survey brass disk set in concrete post.
165-19	C-1188 (1964)	29.95	At crossing of Spencer Highway over Berry Bayou; located 26 feet south of highway centerline; US Coast and Geodetic Survey brass disk set in top of south walkway at west end of culvert bridge.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 170

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
170-1	K-805 (1943)	71.80	From high school at Missouri City; proceed 0.95 mile east on US Route 90A to station site 36.0 feet south of centerline of south lane of US Route 90A and 21.0 feet east of dirt road centerline; US Coast and Geodetic Survey disk set horisontally in north end of east headwall of large concrete culvert under dirt road.
170-2	L-805	68.71	At intersection of US Route 90A and Settlemont Road; located 48.0 feet south of centerline of south lane of US Route 90A and 14.0 feet east of Settlemont Road centerline; brass disk set horisontally in north end of east headwall of concrete culvert under road.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 175

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
175-1	G-1150	62.55	From intersection of West Orem Drive and South Post Oak Road, proceed 0.08 mile north on South Post Oak Road to station site 20.5 feet west of South Post Oak Road centerline; brass disk set in top and 0.8 foot north of south end of west concrete headwall of concrete box culvert.
175-2	Buell A21	60.57	At southeast corner of T-intersection of Park Manor Road and Anderson Road, US Coast and Geodetic Survey disk in concrete monument.
175-3	77-2-1B	69.87	From intersection with Whitehaather Drive, proceed west approximately 49.3 feet on Anderson Road; railroad spike in telephone pole on north side of Anderson Road.
175-4	A-669	57.14	From intersection with Almeda Road, proceed west approximately 0.5 mile on Anderson Road; bronze disk set in west end of concrete headwall on north side of Anderson Road.
175-5	77-2-1C	56.08	From intersection with Insley, proceed west approximately 29.3 feet on Anderson Road; railroad spike in telephone pole on north side of Anderson Road.
175-6	B-1151 (1942)	59.43	From intersection of Almeda Road and Anderson Road; proceed 113 feet south on Almeda Road to station site at building address 13815 Almeda Road; brass disk set flush with concrete walkway in front of building.

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MAP PANEL 175 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
175-7	77-2-3A	55.60	At southeast corner of intersection of Almeda Road and Almeda-Genoa Road, chiseled "X" on west side of concrete headwall.
175-8	U-668	55.67	From intersection with Almeda Road, proceed east approximately 0.4 mile on Almeda-Genoa Road; US Coast and Geodetic Survey disk in concrete headwall south of centerline of Almeda-Genoa Road.
175-9	77-2-3B	56.60	From intersection with Almeda Road, proceed east approximately 0.9 mile on Almeda-Genoa Road; railroad spike in west side of telephone pole on south side of Almeda-Genoa Road.
175-10	77-2-1A	58.34	At intersection of Anderson Road and South Post Oak Road, located 33 feet south of Anderson Road centerline and 35.5 feet west of South Post Oak Road centerline; railroad spike 1.2 feet above ground in telephone pole marked with Corps of Engineers witness post sign.
175-11	77-2-10	63.90	At intersection of South Post Oak Road and Arthington Avenue located 58.5 feet west of South Post Oak Road centerline and 16.0 feet north of Arthington Avenue centerline; railroad spike 1.0 foot above ground in telephone pole marked by Corps of Engineers witness post sign.
175-12	77-2-13	70.06	At south corner of T-intersection of FM 2234 and South Post Oak Road, railroad spike in north side of telephone pole.

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MAP PANEL 175 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
175-13	77-2-14	66.40	From intersection with Almeda Road, proceed west approximately 1.8 miles on FM 2234; railroad spike in north side of telephone pole on south side of FM 2234.
175-14	72-2-15	62.98	From intersection of Almeda Road and FM 2234, proceed west for 0.7 mile to station site in front of Houston Heat Exchange, Incorporated building 48.0 feet south of centerline of FM 2234 and 32.5 feet west of centerline of dirt road to Houston Heat Exchange, Incorporated, railroad spike in north side of power pole, 1.2 feet above ground.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 180

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
180-1	E-1208 (1973)	45.34	At intersection of Nykawa Road and Carson Road, located 35 feet east of Nykawa Road centerline and 25 feet north of Carson Road extended centerline; National Geodetic Survey brass disk encased in iron pipe, 4 inches underground, marked with witness post.
180-2	77-2-24	57.71	At easternmost corner of intersection of Fellows Road and McGrath, railroad spike in south side of power pole.
180-3	77-2-25	54.97	At northwest corner of T-intersection of Fellows Road and Furman Road, railroad spike in north side of power pole.
180-4	X668A	56.94	At intersection of Almeda-Genoa Road and Scott Street; located 27.6 feet south of Almeda-Genoa Road centerline and 34.2 feet east of Scott Street centerline; railroad spike in telephone pole marked with COE witness post sign.
180-5	77-3-11	55.58	From intersection of Nykawa Road and Schurmier Road; proceed 3.6 miles west on Schurmier Road to station site 32.5 feet south of Schurmier Road centerline; railroad spike in wooden corner fence post marked with COE witness post sign.
180-6	77-3-3D	55.53	At intersection of Almeda-Genoa Road and Cullen Boulevard, 46.6 feet south of Almeda-Genoa Road centerline and 255 feet east of Cullen Boulevard east edge; railroad spike in telephone pole marked with Corps of Engineers witness post sign.

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MAP PANEL 180 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
180-7	77-3-3E	54.65	At intersection of Almeda-Genoa Road and Pembroke; located 47.2 feet north of Almeda-Genoa Road centerline 29.3 feet east of Pembroke centerline; railroad spike in telephone pole marked with Corps of Engineers (COE) witness post sign.
180-8	Y-668 (1942)	49.69	From intersection of Almeda-Genoa Road and Swingle Road; proceed 0.1 mile west on Swingle Road to station site 12.7 feet north of Swingle Road centerline; brass disk set flush in concrete headwall.
180-9	77-3-13	55.38	At intersection of Schurmier Road and Cottingham; located 19.0 feet west of Cottingham centerline and 28.0 feet south of Schurmier Road centerline; railroad spike in utility pole No. 43852 marked with COE witness post sign.
180-10	77-3-14	51.20	From intersection of Mykawa Road and Schurmier Road; proceed 1.9 miles west on Schurmier Road to station site 26.2 feet north of Schurmier Road centerline; railroad spike in utility pole marked with COE witness post sign.
180-11	G-458	46.49	From intersection of Almeda-Genoa Road and State Route 35, proceed 2.7 miles west on Almeda-Genoa to (dirt road) Kier Street, 19 feet south of centerline of Almeda-Genoa Road and 12.7 feet east of centerline of Kier Street, disk in concrete headwall, 19.8 feet southwest of northeast corner of headwall, 19.8 feet northwest of corner post for fence, and 21 feet east of another headwall on southwest corner of intersection.

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MAP PANEL 180 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
180-12	Z-668	51.51	From intersection of Almeda-Genoa Road and State Route 35, proceed 2.1 miles west on Almeda-Genoa Road to station site 14.5 feet south of centerline of Almeda-Genoa Road, disk set in concrete headwall, 31.5 feet west of Bell Telephone System manhole cover, 20.8 feet northeast of telephone pole, and 17.7 feet east of west end of headwall.
180-13	G-54 (1918)	49.76	At intersection of Almeda-Genoa Road and Mykawa Road; located 61.2 feet south of Almeda-Genoa Road centerline and 38.7 feet east of Mykawa Road centerline; brass disk set in concrete monument 3 inches above ground.
180-14	G-760	49.76	From intersection of Almeda-Genoa Road and Forbes Road, 14.3 feet south of centerline of Almeda-Genoa Road and 24.8 feet west of centerline of Forbes Road, disk in concrete headwall 43.3 feet northwest of telephone pole, 35.1 feet northeast of corner fence post, and 8.8 feet east of west corner of headwall.
180-15	F-760	47.76	From intersection of Almeda-Genoa Road and Mykawa Road, proceed south on Mykawa Road 1.8 miles to station site on northeast corner of Mykawa Road bridge over Clear Creek, disk 1 foot west of northeast bridge corner, 84.1 feet north of Harris County Flood Control Disk on southeast corner of bridge, and 23.6 feet east of northwest corner of bridge.

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MAP PANEL 180 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
180-16	M-456	48.28	From intersection of Malik and State Route 35, proceed 0.2 mile west on Malik to station site 32.3 feet east of easternmost rail of railroad tracks, a disk in concrete pillar 29.7 feet west of tombstone, 11.4 feet northeast of telephone pole, and 2.5 feet southeast of witness post.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 195

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
195-1	T-1194 (1964)	50.47	At intersection of State Route 35 and Almeda-Genoa Road, 37 feet east of centerline of State Route 35 highway, 27 feet north of centerline of road, disk set in top of center of north concrete headwall of culvert under road.
195-2	J-760 (1942)	48.02	From intersection of Almeda-Genoa Road and Monroe Road, proceed 16 feet north of centerline of Almeda-Genoa Road, 27 feet east of centerline of Monroe Road, disk in top of west end of the north concrete headwall of large double channel culvert under road, 3 feet east of west end of headwall.
195-3	K-760 (1942)	44.89	From intersection of Interstate Route 45, US Route 75 and Almeda-Genoa Road, proceed 1.3 miles west on Almeda-Genoa Road to station site 33 feet south of Almeda-Genoa Road centerline, 31 feet east of private drive centerline; brass disk set in concrete monument.
195-4	BL 369	45.01	From intersection of State Route 35 and Hall Road, proceed 52 feet east of centerline of State Route 35 and 29 feet south of centerline of Hall Road, a metal disk set in metal pipe 4 feet northeast of fence corner, 1.7 feet east of metal pole, and 17.0 feet southeast of east corner of south headwall.
195-5	78-3-14	44.66	From intersection of Hall Road and Kingspoint Road, proceed west on Hall Road 1.65 miles to power pole on south side of Hall Road; railroad spike projecting 2 inches from north side of pole, 16 inches above ground.

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MAP PANEL 185 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
185-6	78-3-13	41.52	From intersection of Hall Road and Kingspoint Road, proceed west on Hall Road 1.11 miles to intersection with two dirt lanes, 2-inch chiseled square on south edge of east culvert passing under Hall Road between two lanes.
185-7	78-3-11	43.17	From intersection of Hall Road and Kingspoint Road, proceed northwest on Hall Road 0.16 mile to intersection with dirt lane; 2-inch chiseled square at northwest end of culvert passing under lane.
185-8	78-4-65	39.66	From intersection with Stover Road, proceed west approximately 102 feet on Mango Drive; chiseled square on curb on south side of Mango Drive.
185-9	78-4-66	38.33	At intersection of Stover Road and Fuqua, chiseled square approximately 126 feet east of east bank of Hall Road Ditch, set in curb over drain at intersection of Stover Road and Fuqua.
185-10	78-4-67	41.89	At intersection of Kingspoint Road and Fuqua, chiseled square on south end of median on Fuqua.
185-11	78-4-61	34.13	At west corner of the T-intersection of Hall Road and Beamer Road, chiseled square on headwall.
185-12	78-4-62	36.31	At west corner of intersection of Sagebluff Drive and Hall Road, chiseled square on top of concrete sewer inlet.

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MAP PANEL 185 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
185-13	78-4-51	32.87	At east corner of intersection of Beamer Road and Hughes Road, chiseled square on top of curb.
185-14	78-4-50	36.45	From intersection with Hughes Road, proceed southeast approximately 0.21 mile on Beamer Road; railroad spike in power pole on east side of Beamer Road.
185-15	78-4-52	31.64	From intersection with South Belt Freeway, proceed southwest approximately 0.13 mile on Hughes Road; chiseled square in curb on south side of Hughes Road.
185-16	78-4-53	30.00	At intersection of Sageglen Drive and Sagedowne Lane proceed to dead end of Sageglen Drive and chiseled square on curb, 120 feet southeast of centerline of Sagedowne Lane, and 24 feet from centerline of northernmost lane of Sageglen Drive.
185-17	78-4-54	33.30	From intersection with Sageglen Drive, proceed northeast approximately 0.4 mile on Sagedowne Lane; chiseled square on east side of Sagedowne Lane.
185-18	78-4-56	29.36	From intersection with South Belt Freeway, proceed southeast approximately 1.0 mile on Interstate Route 45 feeder road. A chiseled square on curb on south side of Interstate Route 45 feeder road.
185-19	78-4-57	30.32	From intersection with South Belt Freeway, proceed southeast approximately 1.4 mile on Interstate Route 45 feeder road; chiseled square on curb on north side of Interstate Route 45 feeder road.

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MAP PANEL 185 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
185-20	78-4-68	42.52	At Kingspoint Road across street from Almeda Mall, chiseled square on headwall over culvert, 33 feet south of centerline of Kingspoint Road, and 12 feet south of fire hydrant.
185-21	M-760	42.52	From post office at Genoa, proceed 0.1 mile south on Almeda-Genoa Road to disk approximately 35 feet east of centerline of the road, 90 feet east of and across road from southeast corner of brick house No. 11034, 32 feet north of centerline of Palmsprings Road, 4 feet north of telephone pole, 1.5 feet south of metal witness post, and set in top of concrete post.
185-22	78-4-69	41.67	From intersection with Almeda-Genoa Road, proceed south approximately 106 feet on Mace Road; chiseled square in concrete culvert on centerline of Mace Road.
185-23	M-760	41.78	At southeast corner of intersection of Almeda-Genoa Road and Gulfpalms Road, a disk on top of concrete culvert.
185-24	78-4-70	41.42	From intersection with State Route 3, proceed west approximately 0.44 mile on Almeda-Genoa Road; railroad spike projecting 3 inches from power pole on north side of Almeda-Genoa Road.
185-25	R-8	43.43	At intersection with Fuqua, proceed approximately 373 feet northwest along Galveston-Houston-Henderson Railroad, 30 feet southwest of southwest rail of main track of Galveston-Houston-Henderson Railroad, on top of southeast side of large round abandoned concrete foundation of railroad water tank.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

HARRIS COUNTY FLOOD CONTROL DISTRICT

MAP PANEL 190

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
190-1	78-11-2	32.33	At intersection of Ellington Field Road and Genoa-Red Bluff Road, station site is located 40 feet southwest from center of intersection, and 20 feet southwest from west end of culvert passing under driveway; railroad spike protruding 4 inches from south side of power pole.
190-2	78-11-3	33.17	From intersection of Ellington Field Road and Genoa-Red Bluff Road, proceed 0.87 mile east on Genoa-Red Bluff Road to dirt driveway; station site is located 30 feet northeast of center of intersection and 4 feet northeast of east end of culvert that passes under driveway; railroad spike protruding 3 inches from south side of power pole.
190-3	78-11-4	21.93	From intersection of Ellington Field Road and Genoa-Red Bluff Road, proceed east on Genoa-Red Bluff Road 2.1 miles to intersection of Genoa-Red Bluff Road and grass field lane; station site is located 25 feet northeast of centerline of Genoa-Red Bluff Road and 10 feet northeast of west gate post of fence; 2-inch chiseled square at top of west end of culvert which passes under field lane.
190-4	78-4-74	32.87	From intersection with Genoa-Red Bluff Road, proceed south approximately 0.7 mile on Ellington Field Road to gate; chiseled square on top of headwall on east side of Ellington Field Road.
190-5	78-4-71A	19.38	From southeast corner of Ellington Air Force Base, proceed 1 mile northeast on Exxon Corridor Pipeline to metal rod 30 feet southeast of metal post, and 68 feet northeast of metal post.

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MAP PANEL 190 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
190-6	78-4-71	22.88	From intersection of Choate Road and El Dorado Boulevard, proceed 0.47 mile south on El Dorado Boulevard to steel gate on left (75 yards from road), proceed north up dirt road 0.65 mile to dirt trail, then proceed southwest 0.02 mile to bolt on gas pipeline painted orange, 7 feet south of steel pipe.
190-7	78-5-67	22.96	From intersection with Brook Forest Drive, proceed north approximately 1.0 mile on El Dorado Boulevard; chiseled square on curb 6 inches above ground level on west side of El Dorado Boulevard.
190-8	K-458	32.39	From intersection of State Route 3 and Brantley Avenue at Ellington Air Force Base, proceed 1.30 mile north on Brantley Avenue to most eastern hangars, disk set in top and one foot east of south concrete foundation of door well, 22.3 feet east of southwest corner of hangar.
190-9	L-458	30.03	Proceed from Genoa-Red Bluff Road and State Route 3 intersection southeast 2.5 miles on State Route 3, then 0.86 mile north along Brantley Avenue, 197 feet west of the southwest corner of most northern of three control towers and at center of east headwall of concrete culvert under avenue.
190-10	V-639	35.38	At southeast corner of intersection of FM 1959 and State Route 3, disk set in center of culvert, 16 feet south of centerline of southern entrance lane to Ellington Air Force Base, 85 feet northeast of centerline of State Route 3, and 11 feet southwest of most western rail of Galveston, Houston & Henderson Railroad.

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Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
190-11	78-4-24	24.92	At south corner of intersection of FM 1959 and State Route 3, chiseled square on top of headwall.
190-12	U-639	28.49	From intersection of FM 1959 and State Route 3, proceed 0.66 mile southeast on State Route 3 to entrance to Ellington Air Force Base, disk set in culvert 20 feet northwest of centerline of Brantley Avenue and 55 feet northeast of centerline of State Route 3.
190-13	78-4-60	27.67	From intersection with FM 2351, proceed northwest approximately 0.65 mile on State Route 3; railroad spike projecting from power pole on northeast side of State Route 3.
190-14	N-1208	25.70	From intersection with FM 1959, proceed southeast approximately 1.72 mile on State Route 3 to bridge over Tributary 5.80 to Horsepen Bayou, disk on top of culvert on northeast side of State Route 3.
190-15	S-639	25.77	From intersection with FM 2351, proceed southeast approximately 0.64 mile on State Route 3; disk on top of culvert on southwest side of State Route 3.
190-16	78-5-65	20.44	From intersection with Brook Forest Drive, proceed southwest approximately 0.05 mile on El Dorado Boulevard; chiseled square on southbound lane of El Dorado Boulevard on southwest end of bridge over Horsepen Bayou.

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MAP PANEL 190 (continued)

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
190-17	78-5-57	19.74	From intersection with Space Center Boulevard, proceed northeast approximately 0.25 mile on Bay Area Boulevard; chiseled square on storm drain on north side of Bay Area Boulevard.
190-18	TBM-1907	19.20	At southwest corner of intersection of Bay Area Boulevard and Space Center Boulevard, chiseled square on top of storm drain 8 inches above street level.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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MAP PANEL 195

Map Panel No. - Elevation Reference Mark No.	Benchmark I.D.	Elevation in feet (NGVD) [1]	Description of Location
195-1	78-5-59	18.39	At northwest corner of intersection of Bay Area Boulevard and Bucaneer Lane, chiseled square on drain culvert 9 inches above street level.
195-2	78-5-37	20.60	From intersection with State Route 3, proceed northeast approximately 0.53 mile on Bay Area Boulevard; chiseled square on top of curb on southeast side of Bay Area Boulevard.
195-3	78-5-38	18.01	From intersection with Bay Area Boulevard, proceed southeast approximately 0.62 mile on El Camino Real Boulevard; chiseled square on top of curb on southernmost corner of bridge over Cow Bayou.
195-4	78-5-1	16.79	From intersection with State Route 3, proceed east approximately 1.52 miles on Nasa Road; chiseled square on western headwall of culvert under road leading to Nasa Bay Motor Inn.

[1] National Geodetic Vertical Datum of 1929; 1973 Releveling

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